

**SANITATION, INC. LANDFILL
LEWISTOWN, MONTANA
JUNE 2008 GROUNDWATER SAMPLING REPORT**

Prepared for:
Barry Damschen Consulting, LLC

Prepared by:
Hydrometrics, Inc.
Consulting Scientists & Engineers 
3020 Bozeman Avenue
Helena, MT 59601

September 2008

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BARRY DAMSCHEN CONSULTING, LLC

Engineering • Solid Waste Management • Grant Administration

September 1, 2008

Mary Louise Hendrickson
Solid Waste Program
Department of Environmental Quality
P.O. Box 200901
Helena, MT 59620-0901

Dear Mary Louise:

Please find enclosed our copy of the groundwater results for the Spring, 2008 sampling at the Sanitation Inc. landfill. The samples were collected on June 9, 2008. As per the agreement reached between your Department and my client, we are now sampling three wells on an annual basis. As indicated in the attached report, there does not appear to be any significant changes in the quality of the groundwater from the last sampling event.

If you have any questions, please do not hesitate to call me.

Very truly yours,
BARRY DAMSCHEN CONSULTING, LLC

Barry E. Damschen, P.E.
Project Manager

Enclosure

cc: Sanitation, Inc.



September 5, 2008

Mr. Barry Damschen, P.E.
Barry Damschen Consulting, LLC
5531 York Road
Helena, MT 59602

RE: June 2008 Groundwater Monitoring Results
Sanitation, Inc. Landfill, Lewistown, MT

Dear Barry,

Hydrometrics, under contract to Barry Damschen Consulting, LLC, has prepared this letter report to transmit the results of the June 2008 groundwater monitoring at the Sanitation, Inc. Landfill in Lewistown, Montana. Sampling activities were conducted on June 9, 2008.

Groundwater Flow Results

Monitoring locations for the Sanitation, Inc. landfill are shown on Figure 1. Static water levels were collected at monitoring wells SIMW-2, SIMW-3, and SIMW-4, and at piezometers SIP-1 and SIP-2 during the June 2008 monitoring event. The general shallow groundwater flow direction at the site is to the north, with water level depths ranging from about 25 to 50 feet below the wellhead measuring point (Table 1). Compared with the June 2007 water level measurements, June 2008 groundwater elevations showed decreases ranging from 0.42 feet at SIP-1 to 3.12 feet at SIMW-4. Typically, water level fluctuations are largest at well SIMW-4, presumably due to varying influence from the nearby detention pond (Figure 1).

The estimated hydraulic gradient in the area near wells SIMW-3 and SIMW-4 is 0.12, determined from the potentiometric isocontours on Figure 1. The groundwater seepage velocity near well SIMW-3 can be estimated with previously determined (Entranco, 2002) values for aquifer porosity (estimated at 0.35), and hydraulic conductivity (9.2 ft/day), using the formula $V_s = KI/n_e$ where V_s = seepage velocity (ft/day); K = hydraulic conductivity (ft/day); I = hydraulic gradient (dimensionless); and n_e = porosity (dimensionless).

Using the values cited above, the estimated groundwater seepage velocity near well SIMW-3 for June 2008 is 3.2 ft/day, identical to the June 2007 estimate and similar to other previously calculated results.

Groundwater Quality Results

Water quality samples were collected from wells SIMW-2, SIMW-3, and SIMW-4 by bailing. Well SIMW-1 has been removed from the groundwater monitoring program, so no sample or water level was collected at this well. Quality control (QC) samples included a field duplicate (collected at SIMW-3), a trip blank, and standard internal laboratory QC samples. Samples were submitted to Energy Laboratories in Billings, Montana for analysis of Solid Waste Table 1 inorganic parameters and volatile organic compounds (VOCs). Field sampling notes and laboratory analytical reports are in Attachment 1.

Results for selected inorganic and organic parameters are summarized in Table 2a for SIMW-2, Table 2b for SIMW-3, and Table 2c for SIMW-4, along with summary statistics for the data period August 1995 through June 2008. For comparison, applicable DEQ-7 Montana groundwater standards are also shown in Tables 2a-2c. As shown in these tables, one parameter (nitrate + nitrite at well SIMW-3) exceeded the relevant DEQ-7 groundwater standard by a small amount (10.4 mg/L compared to the 10 mg/L standard) for the June 2008 monitoring event.

Organic Parameters

Wells SIMW-2, SIMW-3, and SIMW-4 each had several low-level VOC parameters reported in the June 2008 sample, qualified 'J' as present, but below the laboratory reporting limit:

Site	6/07 VOCs Reported (µg/L)
SIMW-2	dichlorodifluoromethane (0.22 J)
	1,1,1-trichloroethane (0.98 J)
	trichlorofluoromethane (0.25 J)
SIMW-3	dichlorodifluoromethane (0.29 J)
	1,1,1-trichloroethane (0.36 J)
	trichlorofluoromethane (0.47 J)
SIMW-4	chloroethane (0.38 J)
	cis-1,2-dichloroethene (0.20 J)

The halogenated compound results for wells SIMW-2 and SIMW-3 are similar to previously observed values (Tables 2a and 2b). The number of VOCs reported at SIMW-4 decreased significantly from June 2007 (nine compounds) to June 2008 (two compounds). The petroleum- and solvent-type constituents that were present at SIMW-4 in June 2006 and 2007 (Hydrometrics, 2007) were not present in the June 2008 sample. As noted in previous groundwater reports, the proximity of SIMW-4 to the landfill waste and the detention pond (Figure 1) increases the likelihood of water quality impacts at this well.

Inorganic Parameters

Overall, inorganic parameter concentrations for June 2008 were similar to previous data. Nitrate + nitrite concentrations decreased slightly at wells SIMW-2 and SIMW-3 from June 2007 to June 2008. Well SIMW-4 showed an increase in nitrate + nitrite to 1.7 mg/L compared with previous values ranging from <0.05 to 0.63 mg/L (Table 2c). Low concentrations of dissolved zinc (0.02 to 0.03 mg/L) were reported at all three monitoring wells, along with dissolved iron at SIMW-2 (0.11 mg/L) and SIMW-4 (0.05 mg/L). Dissolved selenium at well SIMW-3 was reported at 0.020 mg/L, similar to the long-term average of 0.023 mg/L (Table 2b). Major ion concentrations (chloride, sulfate, and specific conductance) showed variable trends in the three monitoring wells, with no consistent increases or decreases evident.

Figures 2a, 2b, and 2c, show trend plots of chloride, sulfate, specific conductance (SC), nitrate + nitrite, and dissolved iron, selenium, zinc, and selected VOCs for wells SIMW-2, SIMW-3, and SIMW-4, respectively. The data show some seasonal and long-term variability, with occasional spikes in metals concentrations apparent at wells SIMW-2 and SIMW-3. Typically, iron concentrations may vary over orders of magnitude, zinc concentrations are at or near detection limits, and selenium concentrations are at or near detection limits at SIMW-2 and SIMW-4 and average 0.023 mg/L at SIMW-3 (Tables 2a, 2b, 2c).

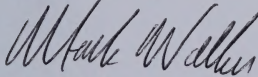
Based on the time-concentration plots, recent increasing trends (i.e., during the last five years) are evident for SC at all three monitoring wells. Nitrate + nitrite concentrations have remained relatively stable at wells SIMW-2 and SIMW-3; the June 2008 nitrate + nitrite concentration at SIMW-4 represents an appreciable increase, as noted previously. However, the concentration of nitrate + nitrite at SIMW-4 (1.7 mg/L) remains substantially below the 10 mg/L groundwater standard.

As an additional method to determine if groundwater concentrations are changing over time, the nonparametric Mann-Kendall test for trend (D.R. Helsel and R.M. Hirsch, 2002) was conducted on the data sets for wells SIMW-2, SIMW-3, and SIMW-4. Briefly stated, the test involves calculation of Kendall's S-statistic and Kendall's tau (τ), which is a measure of the strength of correlation between two variables. Statistical results are presented in Table 3. The significance level of $\alpha=0.05$ selected for the test is commonly used as a default level for statistical testing, and denotes a 5% chance that the test will conclude that there is a trend when in fact there is not (false positive result). Note that, due to the prevalence of nondetect and estimated values (values reported as present, but below reporting limits), the Mann-Kendall test was not conducted for organic parameters.

Statistically significant ($p<0.05$) trends were detected for five parameters: SC and selenium at well SIMW-2, SC at well SIMW-3, and sulfate and SC at well SIMW-4 (Table 3). The selenium trend at SIMW-2 is decreasing (negative τ), while the other statistically significant trends all indicate moderately increasing trends.

If you have any questions regarding this data report, please feel free to contact me at (406) 443-4150, ext. 146.

Sincerely,



Mark Walker

Environmental Chemist

Enclosures

c: Sanitation, Inc. Landfill
Barry Damschen Consulting, LLC

REFERENCES

- Entranco, 2002. Sanitation, Inc. Letter Report from Bruce Siegmund to Pat Potts, MDEQ dated March 21, 2002.
- Helsel, D.R. and R.M. Hirsch, 2002. *Statistical Methods in Water Resources*. Techniques of Water-Resources Investigations of the United States Geological Survey, Book 4, Chapter A3. September 2002.
- Hydrometrics, 2007. Sanitation, Inc. Landfill, Lewistown, Montana, June 2007 Groundwater Sampling Report. September, 2007.

TABLES

TABLE 1. WATER LEVEL MEASUREMENT RESULTS

Well	June 2008 Static Water Level (ft bmp)	June 2008 Groundwater Elevation (ft)
SIMW-2	32.79	4090.92
SIMW-3	29.13	4081.78
SIMW-4	27.42	4050.65
SIP-1	33.43	4086.81
SIP-2	49.15	4102.19

NOTES: bmp = below measuring point

Table 2a. SIMW-2 Groundwater Quality Results and Summary Statistics

Date	Cl (mg/L)	SO4 (mg/L)	SC (umhos/cm)	NO3 + NO2 (mg/L as N)	Fe (diss) (mg/L)	Se (diss) (mg/L)	Zn (diss) (mg/L)	dichlorodifluoro- methane (ug/L)	1,1-dichloro- ethane (ug/L)	1,1,1-trichloro- ethane (ug/L)	trichlorofluoro- methane
8/16/1995	55	224	1480	3.78	<0.03	0.006	<0.01	<1	<1	<1	<1
6/10/1996	47	195	1180	4.18	<0.03	0.008	<0.01	<1	<1	<1	<1
10/22/1996	62	214	1180	2.6	1.29	<0.005	0.03	0.23	<1	<1	0.16(j)
6/3/1997	63	202	1040	2.11	0.06	0.014	0.06	<1	<1	<1	<1
11/4/1997	58	211	1110	3.95	<0.03	0.008	<0.01	0.26(j)	<1	0.42(j)	0.2(j)
6/16/1998	56	201	1150	2.32	0.05	0.005	0.02	<1	<1	<1	1.4
10/6/1998	56	203	1140	3.97	0.05	0.006	0.02	0.28(j)	<1	0.39(j)	<1
6/15/1999	30	177	1170	3.26	<0.03	0.006	0.01	0.56(j)	1.2	0.48(j)	<1
10/6/1999	50	193	1100	2.46	<0.03	0.006	0.08	<1	<1	<1	<1
6/27/2000	59	199	1100	2.57	<0.03	0.005	<0.01	0.32(j)	<1	0.42(j)	<1
10/17/2000	61	201	1130	1.93	<0.03	0.005	<0.01	0.27(j)	<1	0.41(j)	<1
7/16/2001	67	214	1140	1.05	<0.03	<0.005	0.01	<1	<1	<1	<1
10/30/2001	61	205	1170	0.94	0.08	<0.005	0.01	<1	<1	<1	<1
10/26/2002	62	216	1240	1.04	0.05	<0.005	0.02	<1	<1	<1	<1
7/22/2003	62	187	1140	1.3	<0.03	<0.005	<0.01	<1	<1	<1	<1
10/15/2003	63	211	1110	1.78	1.5	<0.005	<0.01	<1	<1	<1	<1
6/21/2004	58	211	1160	2.34	<0.03	<0.005	<0.01	<1	<1	<1	<1
10/25/2004	61	205	1220	1.94	<0.03	<0.005	<0.01	<1	<1	<1	<1
6/18/2005	60	201	1180	3.01	<0.03	<0.005	<0.01	<1	<1	<1	<1
11/2/2005	52	203	1230	2.94	<0.03	<0.005	0.07	0.25(j)	0.18(j)	0.51(j)	<0.19
6/22/2006	59	240	1220	3.06	<0.03	<0.005	0.03	<1	0.16(j)	0.29(j)	<1
6/15/2007	50	221	1400	2.48	<0.03	<0.005	0.03	0.23(j)	0.23(j)	0.64(j)	0.22(j)
6/9/2008	39	185	1590	2.31	0.11	<0.005	0.03	0.22(j)	<1	0.98(j)	0.25(j)
DEQ-7 Standard	na	na	na	10	0.3	0.05	2.0	1,000	na	200	10,000
n	23	23	23	23	23	23	23	23	23	23	23
% BD	0%	0%	0%	0%	65%	57%	43%	57%	83%	57%	65%
Average	56	205	1199	2.49	0.16	0.006	0.023	0.687	0.860	0.809	0.785
Median	59	203	1170	2.46	<0.03	0.005	0.01	<1	<1	<1	<1
Minimum	30	177	1040	0.94	<0.03	<0.005	<0.01	0.18(j)	0.16(j)	0.29(j)	0.15(j)
Maximum	67	240	1590	4.18	1.5	0.014	0.08	<1	<1	1.2	1.4

NOTES:

n = number of samples
%BD = percent of samples below detection limits

Below detected values replaced with detection limit for calculation of averages

(j) Estimated value; analyte present but less than the reporting limit.

DEQ-7 Standards are groundwater standards from February 2006 version of DEQ-7; na = no applicable standard.

Table 2b. SIMW-3 Groundwater Quality Results and Summary Statistics

Date	Cl (mg/L)	SO4 (mg/L)	SC (umhos/cm)	NO3 + NO2 (mg/L as N)	Fe (diss) (mg/L)	Se (diss) (mg/L)	Zn (diss) (mg/L)	dichlorodifluoro-methane (µg/L)	1,1,1-trichloro-ethane (µg/L)	trichlorofluoro-methane (µg/L)
8/16/1995	34	140	893	8.96	<0.03	0.021	<0.01	0.21(j)	0.54(j)	0.17(j)
6/10/1996	30	139	750	9.25	0.1	0.022	<0.01	<1	<1	<1
10/22/1996	34	133	706	9.09	0.03	0.019	<0.01	<1	<1	<1
6/3/1997	27	134	683	9.08	<0.03			<1	<1	<1
11/4/1997	30	131	767	9.35	<0.03	0.023	<0.01	<1	<1	<1
6/16/1998	23	129	739	12.2	0.24	0.019	<0.01	1.2	<1	1.4
10/6/1998	25	128	731	11	<0.03	0.017	0.01	0.45(j)	<1	0.22(j)
6/15/1999	25	121	707	11.7	12.9	0.074	0.47	0.55(j)	0.34(j)	0.29(j)
10/16/1999	27	124	744	11.5	<0.03	0.019	0.02	<1	<1	<1
6/27/2000	30	135	797	10.1	<0.03	0.023	0.01	0.32(j)	<1	<1
10/17/2000	32	139	808	9.76	<0.03	0.024	0.01	0.31(j)	<1	<1
7/16/2001	36	135	870	8.79	<0.03	0.021	<0.01	0.34(j)	<1	<1
10/30/2001	35	134	866	10.7	<0.03	0.02	0.03	<1	<1	<1
10/26/2002	30	140	879	8.69	<0.03	0.025	0.02	<1	<1	<1
7/22/2003	30	135	811	9.72	0.77	0.022	<0.01	0.27(j)	<1	<1
10/15/2003	31	143	799	9.13	0.22	0.021	<0.01	0.33(j)	<1	<1
6/21/2004	31	143	802	8.06	0.34	0.021	<0.01	<1	<1	<1
10/25/2004	27	136	869	8.35	<0.03	0.023	<0.01	0.31(j)	<1	<1
6/18/2005	29	148	879	10.6	<0.03	0.018	<0.01	<1	<1	<1
11/2/2005	28	146	844	11.4	<0.03	0.018	0.02	0.34(j)	0.23(j)	0.35(j)
6/22/2006	27	130	925	10.6	<0.03	0.015	0.02	0.44(j)	0.45(j)	0.78(j)
6/15/2007	30	119	1100	11	<0.03	0.018	<0.01	0.38(j)	0.61(j)	1.0
6/9/2008	32	165	1110	10.4	<0.03	0.020	0.02	0.29(j)	0.36(j)	0.47(j)
DEQ-7 Standard	na	na	na	10	0.3	0.05	2.0	1,000	200	10,000
n	23	23	23	23	23	22	22	23	23	23
% BD	0%	0%	0%	65%	0%	0%	55%	39%	74%	65%
Average	30	136	830	10.0	0.66	0.023	0.03	0.64	0.85	0.86
Median	30	135	808	9.76	<0.03	0.021	<0.01	<1	<1	<1
Minimum	23	119	683	8.06	<0.03	0.015	<0.01	0.2(j)	0.23(j)	0.17(j)
Maximum	36	165	1110	12.2	12.9	0.074	0.47	1.2	<1	1.4

NOTES:

n = number of samples
%BD = percent of samples below detection limits

Below defect values replaced with detection limit for calculation of averages

(j) Estimated value; analyte present but less than the reporting limit.

DEQ-7 Standards are groundwater standards from February 2006 version of DEQ-7; na = no applicable standard.

Table 2c. SIMW-4 Groundwater Quality Results and Summary Statistics

Date	Cl (mg/L)	SO4 (mg/L)	SC (umhos/cm)	NO3 + NO2 (mg/L as N)	Fe (diss) (mg/L)	Se (diss) (mg/L)	Zn (diss) (mg/L)
10/15/2003	135	167	1370	<0.05	0.06	<0.005	<0.01
6/21/2004	161	152	1500	0.63	<0.03	<0.005	<0.01
10/25/2004	116	161	1460	<0.05	<0.03	<0.005	<0.01
6/18/2005	175	228	2060	<0.05	0.04	<0.005	<0.01
11/2/2005	114	174	1380	0.08	<0.03	<0.005	0.02
6/22/2006	245	288	2320	<0.05	2.11	<0.005	0.02
6/15/2007	250	291	2520	<0.05	2.59	0.008	0.01
6/9/2008	282	237	2690	1.7	0.05	<0.005	0.03
DEQ-7 Standard	na	na	na	10	0.3	0.05	2.0
n	8	8	8	8	8	8	8
%BD	0%	0%	0%	63%	38%	88%	50%
Average	185	212	1913	0.33	0.62	0.0054	0.015
Median	168	201	1780	<0.05	0.045	<0.005	0.01
Minimum	114	152	1370	<0.05	<0.03	<0.005	<0.01
Maximum	282	291	2690	1.7	2.59	<0.008	0.03

NOTES:

n = number of samples

%BD = percent of samples below detection limits

Below detect values replaced with detection limit for calculation of averages

(j) Estimated value; analyte present but less than the reporting limit.

DEQ-7 Standards are groundwater standards from February 2006 version of DEQ-7; na = no applicable standard.

Well	Parameter	Mann-Kendall Trend Test Results		Well	Parameter	Mann-Kendall Trend Test Results		
		S	τ			S	τ	p
SIMW-2	chloride	-4	-0.02	SIMW-4	chloride	16	0.57	0.064
	sulfate	14	0.06		sulfate	18	0.64	0.035
	SC	79	0.31		SC	20	0.71	0.019
	nitrate + nitrite	-53	-0.21		nitrate + nitrite	4	0.14	0.667
	Fe (diss)	-17	-0.07		Fe (diss)	9	0.32	0.308
	Se (diss)	-102	-0.40		Se (diss)	5	0.18	0.383
SIMW-3	Zn (diss)	20	0.08		Zn (diss)	13	0.46	0.082
	chloride	4	0.02					
	sulfate	60	0.24					
	SC	144	0.57					
	nitrate + nitrite	11	0.04					
	Fe (diss)	-13	-0.05					
	Se (diss)	-46	-0.20					
	Zn (diss)	32	0.14					

NOTE: **Bold** values indicate rejection of "no-trend" hypothesis at confidence level $\alpha = 0.05$ (i.e., $p < 0.05$).

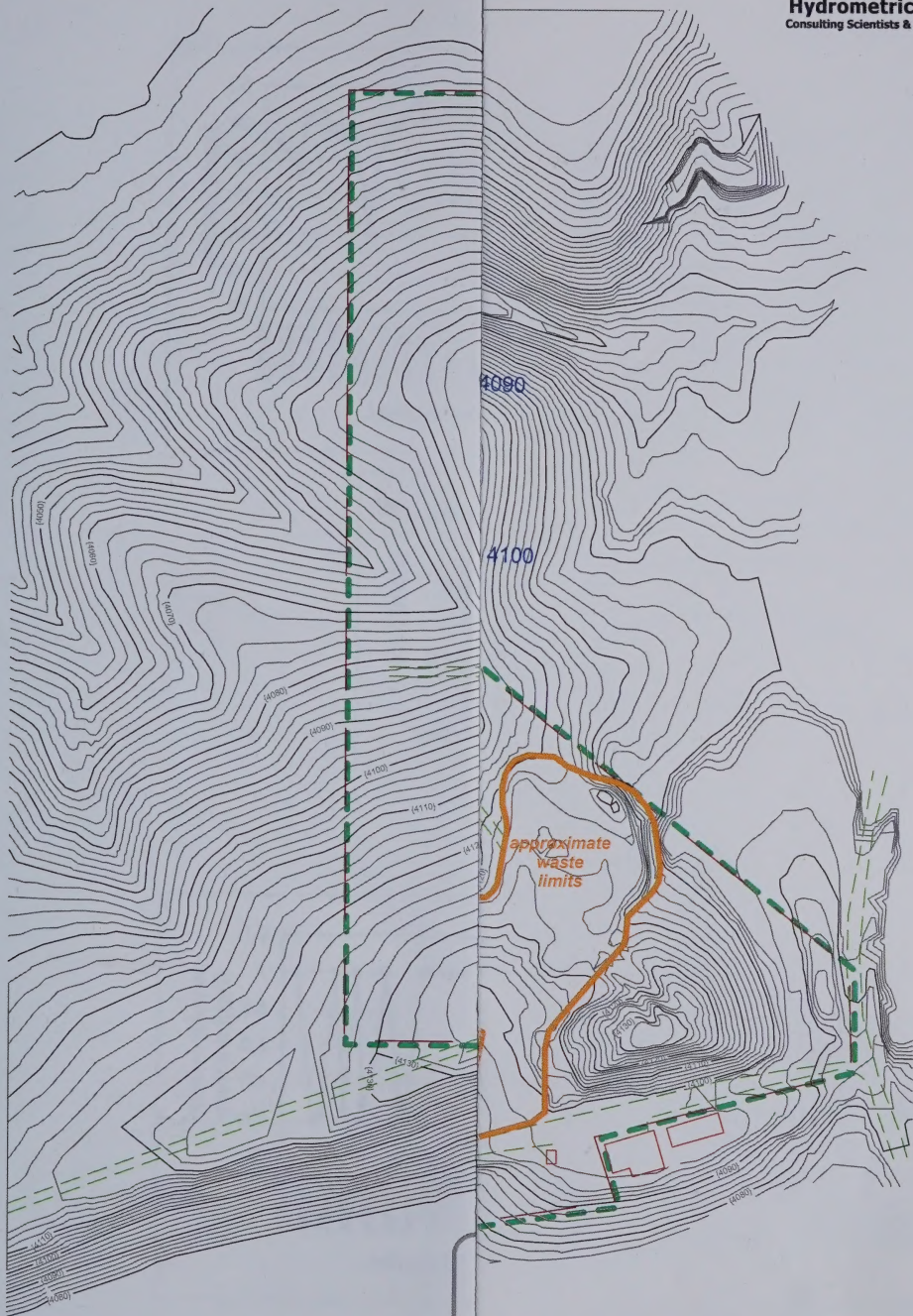
The Mann-Kendall test for trend is conducted according to methods presented in Statistical Methods in Water Resources by D.R. Helsel and R.M. Hirsch (2002). The test is a nonparametric method of assessing whether values over time tend to remain constant (null hypothesis) or tend to show an increasing or decreasing trend. The calculated statistics are as follows:

Kendall's S: compares each value in a data set to each subsequently collected value. S is an overall measure of whether subsequent values tend to be greater or less than a given value. If S is positive, subsequent values tend to be greater; if negative, subsequent values tend to be smaller. The closer S is to 0, the less evidence there is of any trend.

Kendall's tau: Kendall's tau is a correlation coefficient analogous to the more familiar Pearson's R. Tau can range from -1 to +1, with +1 indicating a strong increasing trend (increasing concentrations with time), and -1 indicating a strong negative trend (decreasing concentrations with time).

p-value: p-values are a measure of the significance of the above test statistics. Typically, when p is less than some established decision level, then the null hypothesis (i.e., the assumption of no trend in this case) is rejected.

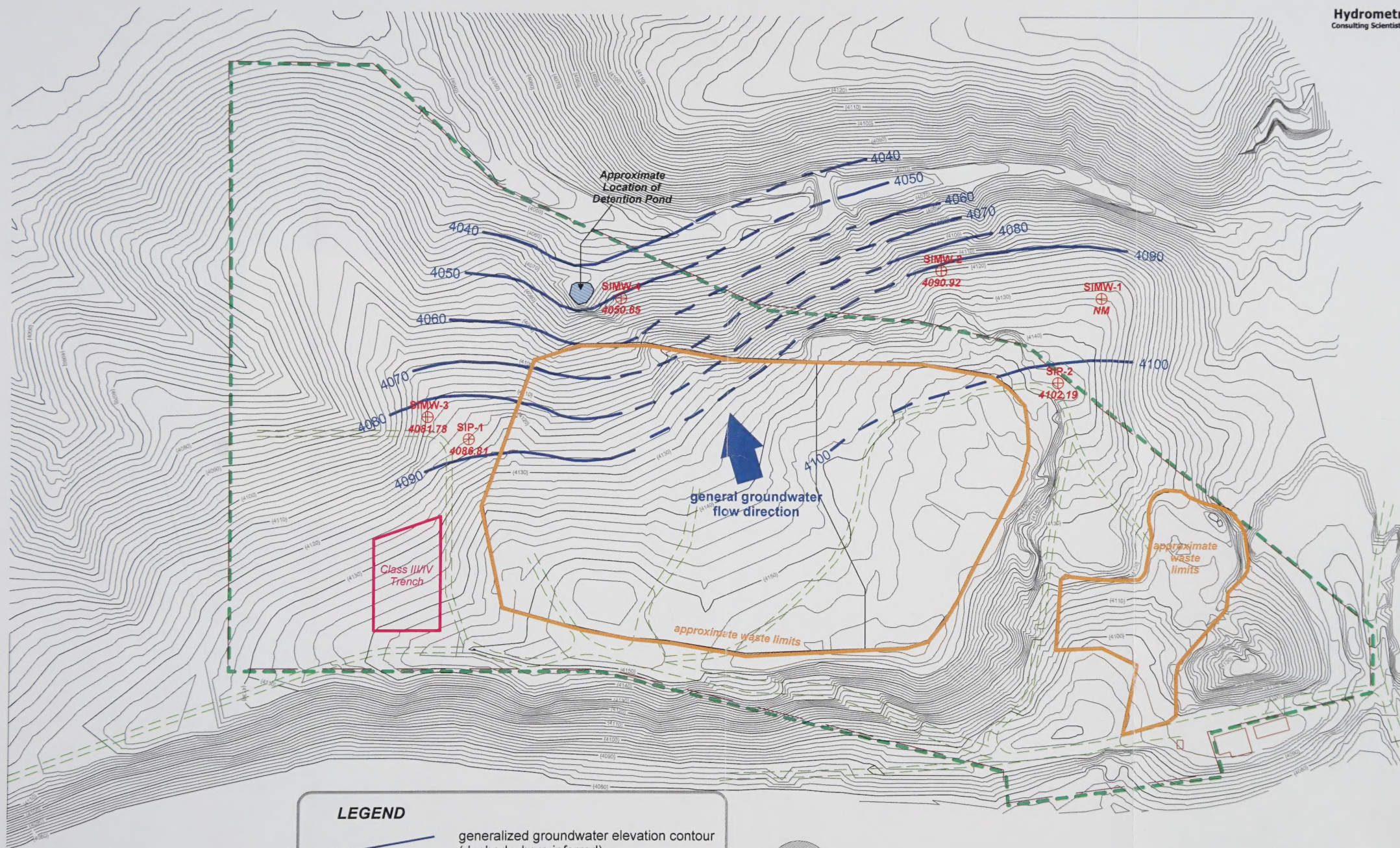
FIGURES



Groundwater Elevations and
Potentiometric Contours
Sanitation, Inc. Landfill
Missoula, Montana

FIGURE

1



LEGEND

- 4080 ————— generalized groundwater elevation contour (dashed where inferred)
- SIMW-3
⊕
4081.78 well/piezometer location with June 9, 2008 groundwater elevation (NM = not monitored)

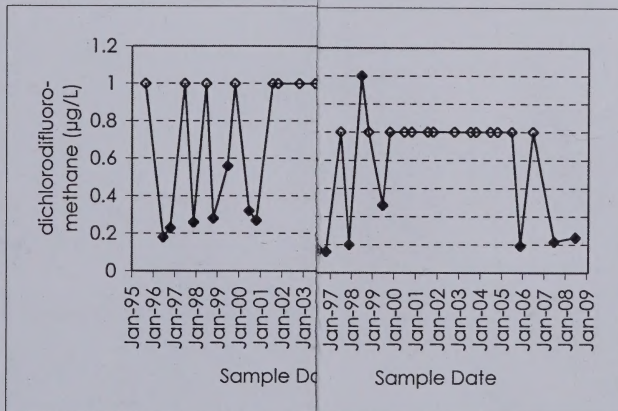
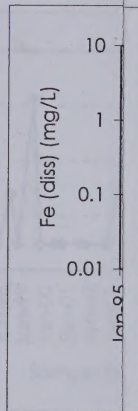
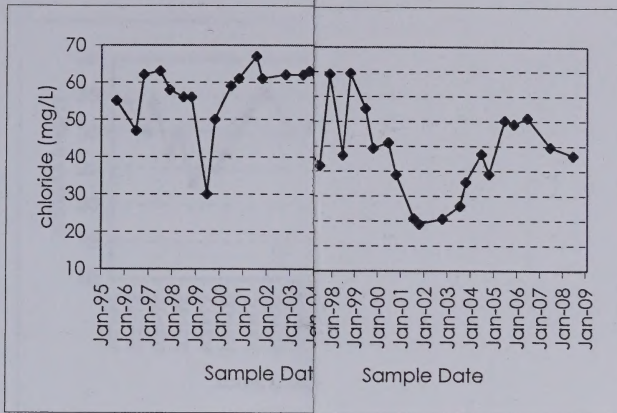


0 200 400
Scale (ft)

June 2008 Groundwater Elevations and
Generalized Potentiometric Contours
Sanitation, Inc. Landfill
Lewistown, Montana

FIGURE

1



NOTE: open symbols indicate value

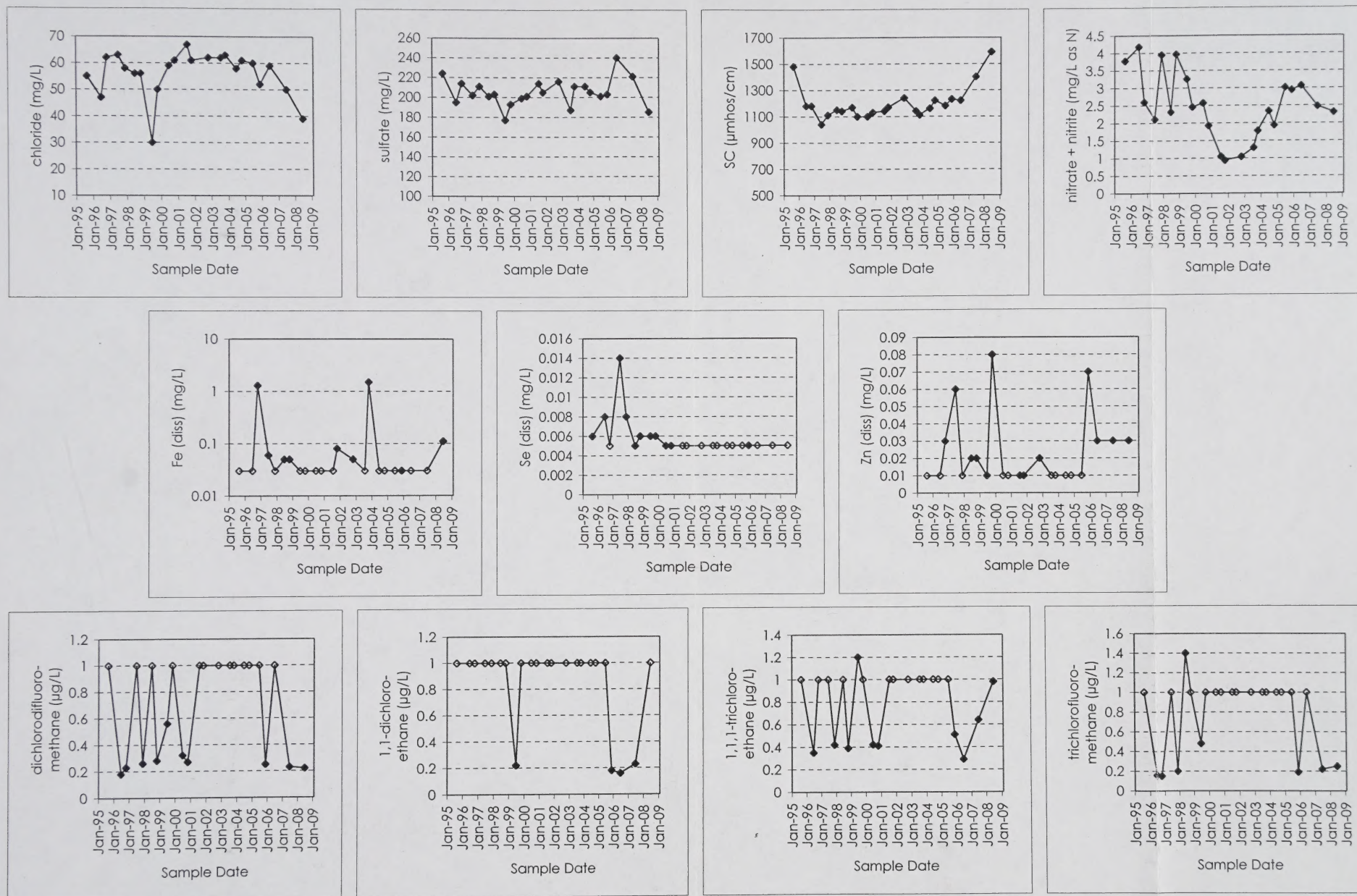
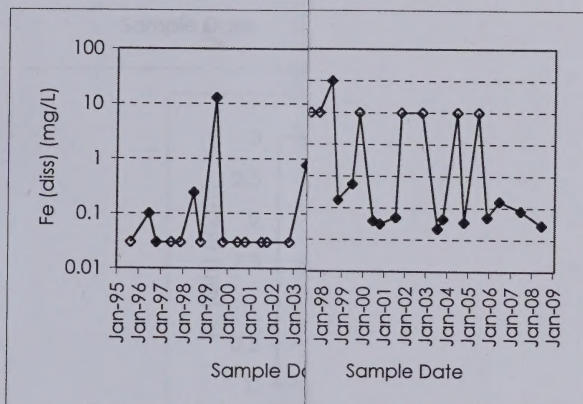
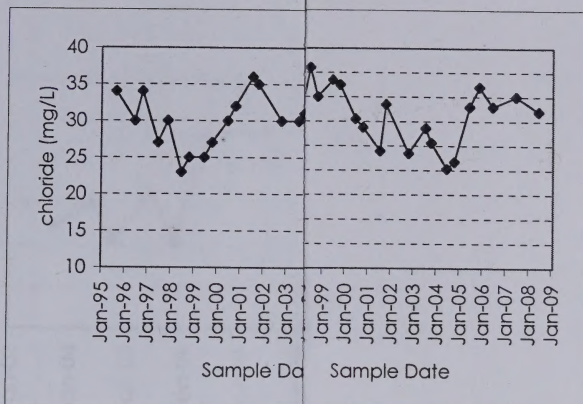


Figure 2a. SIMW-2 Water Quality Trends

NOTE: open symbols indicate value below detection limit



NOTE: open symbols indicate values above 30 mg/L for chloride and 1 mg/L for Fe (diss)

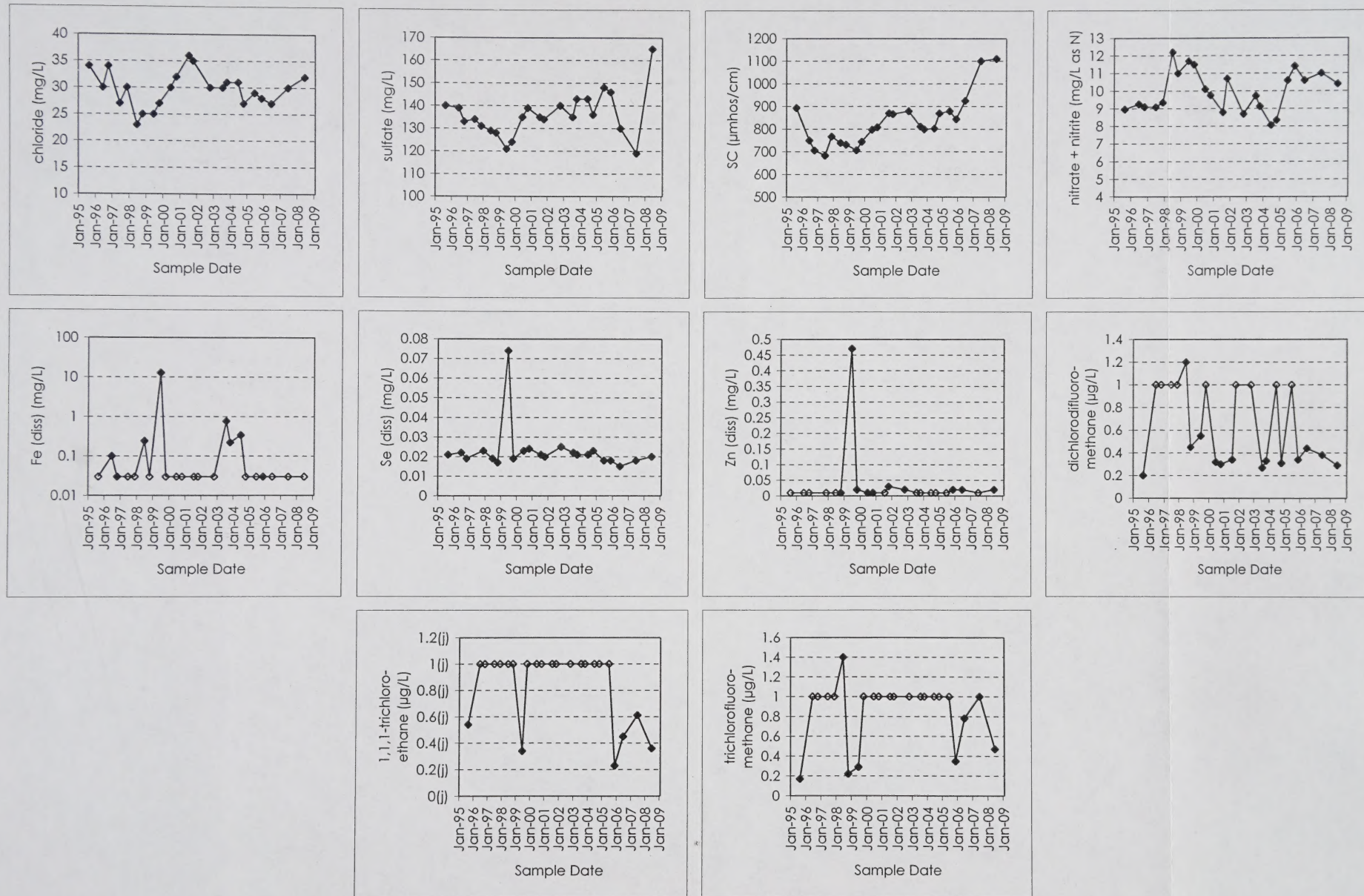
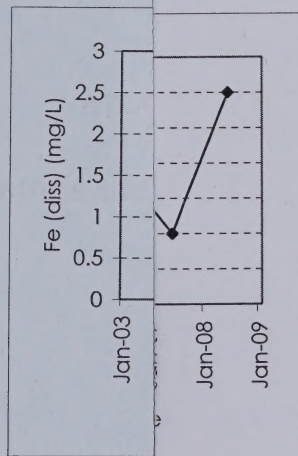
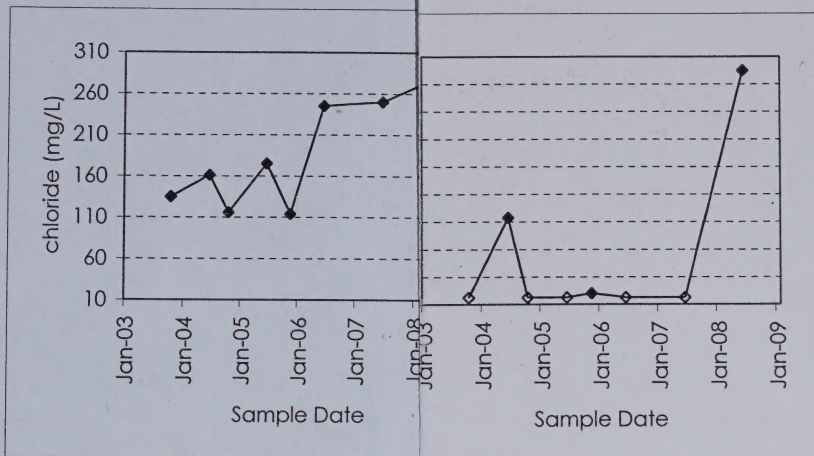


Figure 2b. SIMW-3 Water Quality Trends

NOTE: open symbols indicate value below detection limit



NOTE: open symbols indicate value below

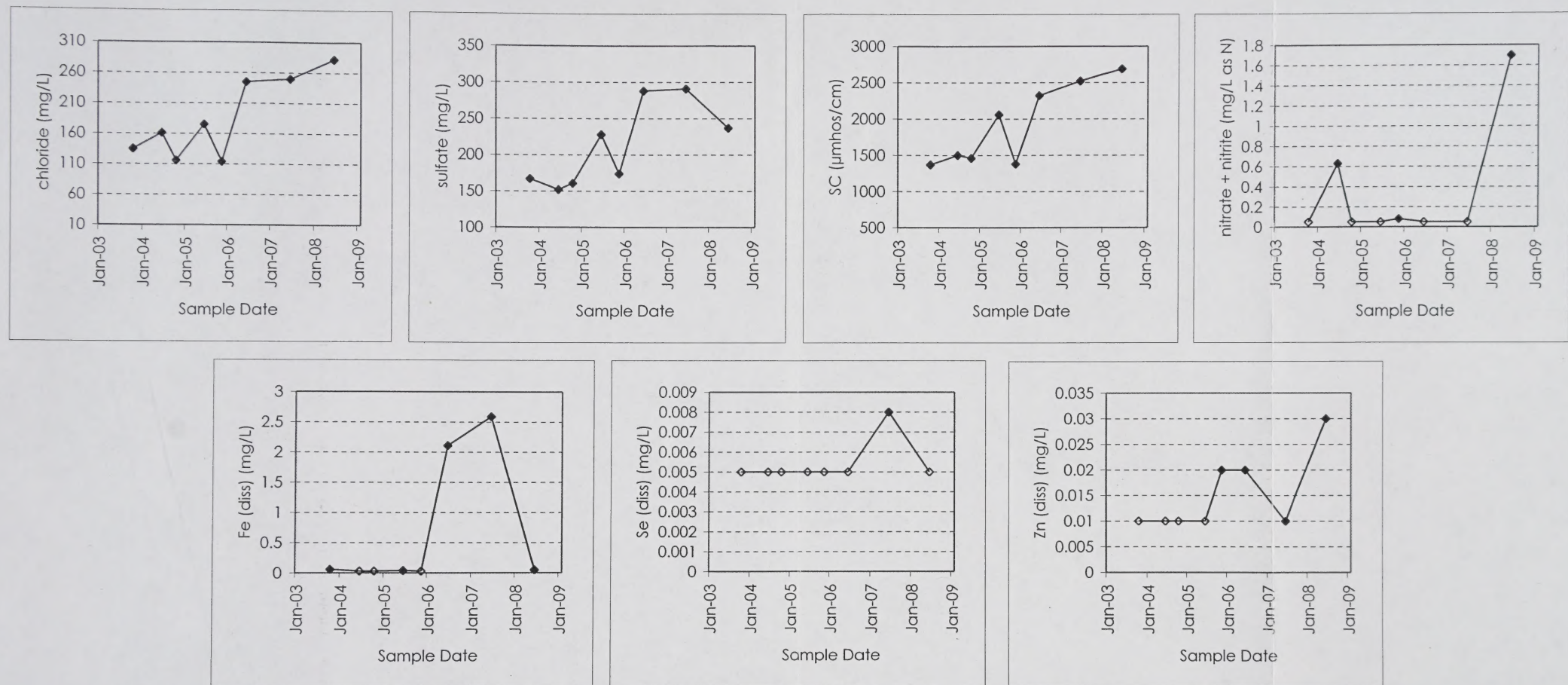
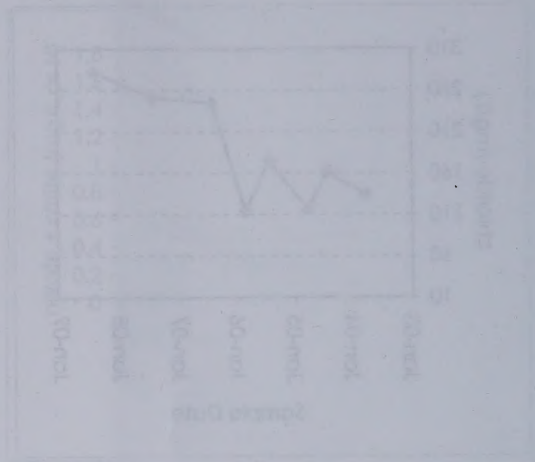
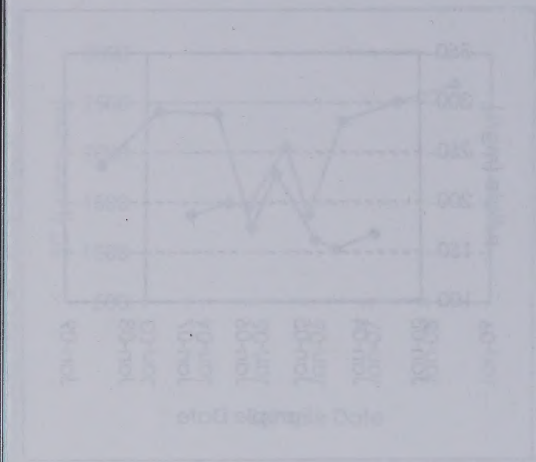
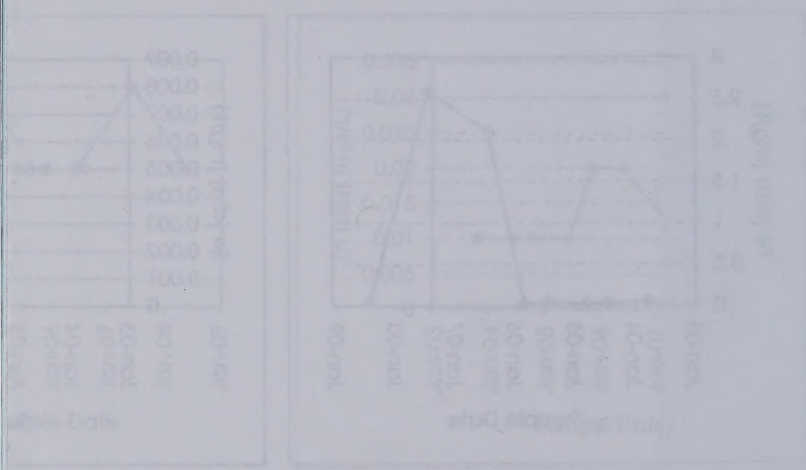


Figure 2c. SIMW-4 Water Quality Trends

NOTE: open symbols indicate value below detection limit

NOTE: Data points not shown were below detection limit.

Figure 3. CONTAMINANTS



ATTACHMENT 1

FIELD NOTES AND LABORATORY REPORT

pH - SC - Temp.

Instrument Calibration Form

Meter Type: HyDac D16 PCT/PH Como (033538)

Serial No: 020644559

Project Name: San Jac. Landfill

Date: 6-9-08

Personnel: B. Danby

Weather: Sunny 60

PH CALIBRATION

Time	Buffer	Temperature	Reading
1400	4	80.1	7.50
1400	7	80.1	7.50 → 7.00
1400	10	9.55	→ 7.00

Calibration Check: _____

SPECIFIC CONDUCTANCE CALIBRATION

Time	Standard	Temperature	Reading	Cell Factor
1410	1413	80	1390	1413

Notes: _____

BARRY DAMSCHEN CONSULTING, LLC.
Helena, Montana

Ground-Water Monitoring Field Report

Project: SAN. Int L. Fill Well: SIML-2

Personnel: B. Damschen

Date: 6-9-08 Time: 1500

Conditions: Sunny

Static Water Level: 32.79 Total Depth Purged: _____

Purge Method: hand bailer Volume Purged: 2 1/4

	Volume	Temperature	Conductivity	pH
1.	<u>2 1/4 dy</u>	<u>59.9</u>	<u>1460</u>	<u>5.56</u> <u>low</u>
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)

or

Recovery (Inertial or bailer):

h1 0 h2 0.10 time 45m depth: 39.1

Comments:

SIL-2 = 49.15

BARRY DAMSCHEN CONSULTING, LLC
Helena, Montana

Ground-Water Monitoring Field Report

Project: SAN J. CO. 6511 Well: SINW-33D
Personnel: B. Damsche
Date: 6-9-08 Time: 1600
Conditions: Sunny 60.5
Static Water Level: 29.13 Total Depth Purged: _____
Purge Method: hand bail Volume Purged: _____

	Volume	Temperature	Conductivity	pH
1.	<u>2 1/4 day</u>	<u>58.9</u>	<u>1040</u>	<u>6.05</u>
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)

or

Recovery (Inertial or bailer):

h1 0 h2 0.10 time 1350c depth: 34.9

Comments:

SIPA1 = 33.43

BARRY DAMSCHEN CONSULTING, LLC
Helena, Montana

Ground-Water Monitoring Field Report

Project: SAN. IN. L. CIV Well: SIMW 4
Personnel: B. DAMSCHEN
Date: 6-9-08 Time: 1700
Conditions: cloudy 60s
Static Water Level: 27.42 Total Depth Purged: _____
Purge Method: hand hauled Volume Purged: _____

	Volume	Temperature	Conductivity	pH
1.	<u>6</u>	<u>55.6</u>	<u>2360</u>	<u>5.32</u>
2.	<u>7</u>	<u>54.1</u>	<u>2310</u>	<u>5.41</u>
3.	<u>8 1/2</u>	<u>53.9</u>	<u>2300</u>	<u>5.50</u>
4.	<u>8 1/2</u>	<u>53.8</u>	<u>2300</u>	<u>5.51</u>
5.	_____	_____	_____	_____

Pumping Level: _____ (Bladder Pump)

or

Recovery (Inertial or bailer):

h1 0

h2 0.10

time 450

depth: 35.9

Comments:

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project:
Lab ID: B08061313-001
Client Sample ID: SIMW-2 *gfu*

Report Date: 07/03/08
Collection Date: 06/09/08 15:00
Date Received: 06/12/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.7	s.u.		0.1		A4500 H	06/12/08 18:04 / kak
Conductivity	1590	umhos/cm		1		A2510 B	06/12/08 18:15 / kak
INORGANICS							
Chloride	39	mg/L		1		E300.0	06/17/08 04:50 / qed
Sulfate	185	mg/L		1		E300.0	06/17/08 04:50 / qed
Cyanide, Total	ND	mg/L		0.005		Kelada mod	06/13/08 10:20 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	6	mg/L		1		E410.4	06/17/08 08:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	2.31	mg/L		0.05		E353.2	06/23/08 10:50 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	06/26/08 20:49 / car
Arsenic	ND	mg/L		0.005		SW6020	06/26/08 20:49 / car
Barium	ND	mg/L		0.1		SW6010B	06/13/08 17:30 / rh
Beryllium	ND	mg/L		0.001		SW6020	06/26/08 20:49 / car
Cadmium	ND	mg/L		0.001		SW6020	06/26/08 20:49 / car
Chromium	ND	mg/L		0.01		SW6010B	06/13/08 17:30 / rh
Cobalt	ND	mg/L		0.01		SW6010B	06/13/08 17:30 / rh
Copper	ND	mg/L		0.01		SW6010B	06/13/08 17:30 / rh
Iron	0.11	mg/L		0.03		SW6010B	06/13/08 17:30 / rh
Lead	ND	mg/L		0.01		SW6020	06/26/08 20:49 / car
Mercury	ND	mg/L		0.001		SW7470A	06/18/08 10:41 / jjw
Nickel	ND	mg/L		0.01		SW6010B	06/13/08 17:30 / rh
Selenium	ND	mg/L		0.005		SW6020	06/26/08 20:49 / car
Silver	ND	mg/L		0.005		SW6020	06/26/08 20:49 / car
Thallium	ND	mg/L		0.005		SW6020	06/26/08 20:49 / car
Vanadium	ND	mg/L		0.1		SW6010B	06/13/08 17:30 / rh
Zinc	0.03	mg/L		0.01		SW6020	06/26/08 20:49 / car
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/17/08 17:01 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	06/17/08 17:01 / sbd
Benzene	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project:
Lab ID: B08061313-001
Client Sample ID: SIMW-2

Report Date: 07/03/08
Collection Date: 06/09/08 15:00
Date Received: 06/12/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Dichlorodifluoromethane	0.22	ug/L	J	1.0		SW8260B	06/17/08 17:01 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	06/17/08 17:01 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/17/08 17:01 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/17/08 17:01 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Styrene	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Toluene	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
1,1,1-Trichloroethane	0.98	ug/L	J	1.0		SW8260B	06/17/08 17:01 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Trichlorofluoromethane	0.25	ug/L	J	1.0		SW8260B	06/17/08 17:01 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project:
Lab ID: B08061313-001
Client Sample ID: SIMW-2

Report Date: 07/03/08
Collection Date: 06/09/08 15:00
DateReceived: 06/12/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/17/08 17:01 / sbd
Surr: 1,2-Dichloroethane-d4	90.0	%REC		70-130		SW8260B	06/17/08 17:01 / sbd
Surr: Dibromofluoromethane	100	%REC		77-126		SW8260B	06/17/08 17:01 / sbd
Surr: p-Bromofluorobenzene	105	%REC		76-127		SW8260B	06/17/08 17:01 / sbd
Surr: Toluene-d8	110	%REC		79-122		SW8260B	06/17/08 17:01 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.

Project:

Lab ID: B08061313-002

Client Sample ID: SIMW-3

Report Date: 07/03/08

Collection Date: 06/09/08 16:00

Date Received: 06/12/08

Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.0	s.u.		0.1		A4500 H	06/12/08 18:05 / kak
Conductivity	1110	umhos/cm		1		A2510 B	06/12/08 18:16 / kak
INORGANICS							
Chloride	32	mg/L		1		E300.0	06/17/08 09:56 / qed
Sulfate	165	mg/L		1		E300.0	06/17/08 09:56 / qed
Cyanide, Total	ND	mg/L		0.005		Kelada mod	06/13/08 10:22 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	3	mg/L		1		E410.4	06/17/08 08:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	10.4	mg/L		0.05		E353.2	06/23/08 10:52 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	06/26/08 21:24 / car
Arsenic	ND	mg/L		0.005		SW6020	06/26/08 21:24 / car
Barium	ND	mg/L		0.1		SW6010B	06/13/08 18:10 / rih
Beryllium	ND	mg/L		0.001		SW6020	06/26/08 21:24 / car
Cadmium	ND	mg/L		0.001		SW6020	06/26/08 21:24 / car
Chromium	ND	mg/L		0.01		SW6010B	06/13/08 18:10 / rih
Cobalt	ND	mg/L		0.01		SW6010B	06/13/08 18:10 / rih
Copper	ND	mg/L		0.01		SW6010B	06/13/08 18:10 / rih
Iron	ND	mg/L		0.03		SW6010B	06/13/08 18:10 / rih
Lead	ND	mg/L		0.01		SW6020	06/26/08 21:24 / car
Mercury	ND	mg/L		0.001		SW7470A	06/18/08 10:44 / jjw
Nickel	ND	mg/L		0.01		SW6010B	06/13/08 18:10 / rih
Selenium	0.020	mg/L		0.005		SW6020	06/26/08 21:24 / car
Silver	ND	mg/L		0.005		SW6020	06/26/08 21:24 / car
Thallium	ND	mg/L		0.005		SW6020	06/26/08 21:24 / car
Vanadium	ND	mg/L		0.1		SW6010B	06/13/08 18:10 / rih
Zinc	0.02	mg/L		0.01		SW6020	06/26/08 21:24 / car
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/17/08 17:40 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	06/17/08 17:40 / sbd
Benzene	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
 Project:
 Lab ID: B08061313-002
 Client Sample ID: SIMW-3 *gh*

Report Date: 07/03/08
 Collection Date: 06/09/08 16:00
 Date Received: 06/12/08
 Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Dichlorodifluoromethane	0.29	ug/L	J	1.0		SW8260B	06/17/08 17:40 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	06/17/08 17:40 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/17/08 17:40 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/17/08 17:40 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Styrene	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
1,1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Toluene	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
1,1,1-Trichloroethane	0.36	ug/L	J	1.0		SW8260B	06/17/08 17:40 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Trichlorofluoromethane	0.47	ug/L	J	1.0		SW8260B	06/17/08 17:40 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.

Project:

Lab ID: B08061313-002

Client Sample ID: SIMW-3

Report Date: 07/03/08

Collection Date: 06/09/08 16:00

DateReceived: 06/12/08

Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/17/08 17:40 / sbd
Surr: 1,2-Dichloroethane-d4	93.0	%REC		70-130		SW8260B	06/17/08 17:40 / sbd
Surr: Dibromofluoromethane	99.0	%REC		77-126		SW8260B	06/17/08 17:40 / sbd
Surr: p-Bromofluorobenzene	109	%REC		76-127		SW8260B	06/17/08 17:40 / sbd
Surr: Toluene-d8	108	%REC		79-122		SW8260B	06/17/08 17:40 / sbd

VOLATILE ORGANIC COMPOUNDS

Xylenes, Total	ND	ug/L	1.0	SW8260B	06/17/08 17:40 / sbd
Surr: 1,2-Dichloroethane-d4	93.0	%REC	70-130	SW8260B	06/17/08 17:40 / sbd
Surr: Dibromofluoromethane	99.0	%REC	77-126	SW8260B	06/17/08 17:40 / sbd
Surr: p-Bromofluorobenzene	109	%REC	76-127	SW8260B	06/17/08 17:40 / sbd
Surr: Toluene-d8	108	%REC	79-122	SW8260B	06/17/08 17:40 / sbd

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT
Client: Sanitation Inc.

Project:
Lab ID: B08061313-003

Client Sample ID: SIMW-3D

*Not In
CEDARS*
Report Date: 07/03/08

Collection Date: 06/09/08 16:00

Date Received: 06/12/08

Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		A4500 H	06/12/08 18:06 / kak
Conductivity	1120	umhos/cm		1		A2510 B	06/12/08 18:17 / kak
INORGANICS							
Chloride	31	mg/L		1		E300.0	06/17/08 10:31 / qed
Sulfate	165	mg/L		1		E300.0	06/17/08 10:31 / qed
Cyanide, Total	ND	mg/L		0.005		Kelada mod	06/13/08 10:24 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	3	mg/L		1		E410.4	06/17/08 08:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	9.96	mg/L		0.05		E353.2	06/23/08 11:27 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	06/26/08 21:31 / car
Arsenic	ND	mg/L		0.005		SW6020	06/26/08 21:31 / car
Barium	ND	mg/L		0.1		SW6010B	06/13/08 18:18 / rih
Beryllium	ND	mg/L		0.001		SW6020	06/26/08 21:31 / car
Cadmium	ND	mg/L		0.001		SW6020	06/26/08 21:31 / car
Chromium	ND	mg/L		0.01		SW6010B	06/13/08 18:18 / rih
Cobalt	ND	mg/L		0.01		SW6010B	06/13/08 18:18 / rih
Copper	ND	mg/L		0.01		SW6010B	06/13/08 18:18 / rih
Iron	ND	mg/L		0.03		SW6010B	06/13/08 18:18 / rih
Lead	ND	mg/L		0.01		SW6020	06/26/08 21:31 / car
Mercury	ND	mg/L		0.001		SW7470A	06/18/08 10:55 / jjw
Nickel	ND	mg/L		0.01		SW6010B	06/13/08 18:18 / rih
Selenium	0.020	mg/L		0.005		SW6020	06/26/08 21:31 / car
Silver	ND	mg/L		0.005		SW6020	06/26/08 21:31 / car
Thallium	ND	mg/L		0.005		SW6020	06/26/08 21:31 / car
Vanadium	ND	mg/L		0.1		SW6010B	06/13/08 18:18 / rih
Zinc	0.02	mg/L		0.01		SW6020	06/26/08 21:31 / car
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/17/08 18:20 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	06/17/08 18:20 / sbd
Benzene	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.

Project:

Lab ID: B08061313-003

Client Sample ID: SIMW-3D

Report Date: 07/03/08

Collection Date: 06/09/08 16:00

Date Received: 06/12/08

Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Dichlorodifluoromethane	0.31	ug/L	J	1.0		SW8260B	06/17/08 18:20 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	06/17/08 18:20 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/17/08 18:20 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/17/08 18:20 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Styrene	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Toluene	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
1,1,1-Trichloroethane	0.38	ug/L	J	1.0		SW8260B	06/17/08 18:20 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Trichlorofluoromethane	0.52	ug/L	J	1.0		SW8260B	06/17/08 18:20 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project:
Lab ID: B08061313-003
Client Sample ID: SIMW-3D

Report Date: 07/03/08
Collection Date: 06/09/08 16:00
Date Received: 06/12/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/17/08 18:20 / sbd
Surr: 1,2-Dichloroethane-d4	98.0	%REC		70-130		SW8260B	06/17/08 18:20 / sbd
Surr: Dibromofluoromethane	101	%REC		77-126		SW8260B	06/17/08 18:20 / sbd
Surr: p-Bromofluorobenzene	105	%REC		76-127		SW8260B	06/17/08 18:20 / sbd
Surr: Toluene-d8	108	%REC		79-122		SW8260B	06/17/08 18:20 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project:
Lab ID: B08061313-004
Client Sample ID: SIMW-4 *pk*

Report Date: 07/03/08
Collection Date: 06/09/08 17:00
Date Received: 06/12/08
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.6	s.u.		0.1		A4500 H	06/12/08 18:06 / kak
Conductivity	2690	umhos/cm		1		A2510 B	06/12/08 18:17 / kak
INORGANICS							
Chloride	282	mg/L		1		E300.0	06/17/08 10:42 / qed
Sulfate	237	mg/L		1		E300.0	06/17/08 10:42 / qed
Cyanide, Total	ND	mg/L		0.005		Kelada mod	06/13/08 10:26 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	78	mg/L		1		E410.4	06/17/08 08:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	1.70	mg/L		0.05		E353.2	06/23/08 10:54 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	06/26/08 21:38 / car
Arsenic	ND	mg/L		0.005		SW6020	06/26/08 21:38 / car
Barium	ND	mg/L		0.1		SW6010B	06/13/08 18:22 / rlh
Beryllium	ND	mg/L		0.001		SW6020	06/26/08 21:38 / car
Cadmium	ND	mg/L		0.001		SW6020	06/26/08 21:38 / car
Chromium	ND	mg/L		0.01		SW6010B	06/13/08 18:22 / rlh
Cobalt	ND	mg/L		0.01		SW6010B	06/13/08 18:22 / rlh
Copper	ND	mg/L		0.01		SW6010B	06/13/08 18:22 / rlh
Iron	ND	mg/L		0.03		SW6010B	06/13/08 18:22 / rlh
Lead	ND	mg/L		0.01		SW6020	06/26/08 21:38 / car
Mercury	ND	mg/L		0.001		SW7470A	06/18/08 11:02 / jjw
Nickel	0.05	mg/L		0.01		SW6010B	06/13/08 18:22 / rlh
Selenium	ND	mg/L		0.005		SW6020	06/26/08 21:38 / car
Silver	ND	mg/L		0.005		SW6020	06/26/08 21:38 / car
Thallium	ND	mg/L		0.005		SW6020	06/26/08 21:38 / car
Vanadium	ND	mg/L		0.1		SW6010B	06/13/08 18:22 / rlh
Zinc	0.03	mg/L		0.01		SW6020	06/26/08 21:38 / car
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/17/08 19:00 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	06/17/08 19:00 / sbd
Benzene	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.

Project:

Lab ID: B08061313-004

Client Sample ID: SIMW-4 

Report Date: 07/03/08

Collection Date: 06/09/08 17:00

Date Received: 06/12/08

Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Chloroethane	0.38	ug/L	J	1.0		SW8260B	06/17/08 19:00 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
cis-1,2-Dichloroethene	0.20	ug/L	J	1.0		SW8260B	06/17/08 19:00 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	06/17/08 19:00 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/17/08 19:00 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/17/08 19:00 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Styrene	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Toluene	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.

Project:

Lab ID: B08061313-004

Client Sample ID: SIMW-4

Report Date: 07/03/08

Collection Date: 06/09/08 17:00

DateReceived: 06/12/08

Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/17/08 19:00 / sbd
Surr: 1,2-Dichloroethane-d4	95.0	%REC		70-130		SW8260B	06/17/08 19:00 / sbd
Surr: Dibromofluoromethane	98.0	%REC		77-126		SW8260B	06/17/08 19:00 / sbd
Surr: p-Bromofluorobenzene	105	%REC		76-127		SW8260B	06/17/08 19:00 / sbd
Surr: Toluene-d8	113	%REC		79-122		SW8260B	06/17/08 19:00 / sbd

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
 Project:
 Lab ID: B08061313-005
 Client Sample ID: Trip Blank *me*

Report Date: 07/03/08
 Collection Date: 06/09/08 15:00
 Date Received: 06/12/08
 Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/17/08 19:38 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	06/17/08 19:38 / sbd
Benzene	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	06/17/08 19:38 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/17/08 19:38 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/17/08 19:38 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Styrene	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Toluene	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Sanitation Inc.
Project:
Lab ID: B08061313-005
Client Sample ID: Trip Blank

Report Date: 07/03/08
Collection Date: 06/09/08 15:00
Date Received: 06/12/08
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/17/08 19:38 / sbd
Surr: 1,2-Dichloroethane-d4	95.0	%REC		70-130		SW8260B	06/17/08 19:38 / sbd
Surr: Dibromofluoromethane	102	%REC		77-126		SW8260B	06/17/08 19:38 / sbd
Surr: p-Bromofluorobenzene	106	%REC		76-127		SW8260B	06/17/08 19:38 / sbd
Surr: Toluene-d8	110	%REC		79-122		SW8260B	06/17/08 19:38 / sbd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 06/27/08

Project:

Work Order: B08061313

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B							Batch: PHSC080612A		
Sample ID: PHC1071220B	Laboratory Control Sample				Run: ORION555A_080612A			06/12/08 08:31	
Conductivity	5060	umhos/cm	1.0	101	90	110			
Sample ID: PHC1080227A	Laboratory Control Sample				Run: ORION555A_080612A			06/12/08 08:31	
Conductivity	152	umhos/cm	1.0	101	90	110			
Sample ID: B08061316-001ADUP	Sample Duplicate				Run: ORION555A_080612A			06/12/08 18:19	
Conductivity	4900	umhos/cm	1.0				0.4	10	
Method: A4500 H							Analytical Run: ORION555A_080612A		
Sample ID: PHC1080605D	Initial Calibration Verification Standard							06/12/08 08:31	
pH	7.04	s.u.	0.10	101	98	102			
Method: A4500 H							Batch: PHSC080612A		
Sample ID: PHC1080402B	Laboratory Control Sample				Run: ORION555A_080612A			06/12/08 08:32	
pH	4.05	s.u.	0.10	101	97	103			
Sample ID: B08061316-001ADUP	Sample Duplicate				Run: ORION555A_080612A			06/12/08 18:07	
pH	4.05	s.u.	0.10				0.0	10	
Method: E300.0							Analytical Run: IC202-B_080616A		
Sample ID: ICV	Initial Calibration Verification Standard							06/16/08 11:50	
Chloride	24.7	mg/L	1.0	99	90	110			
Sulfate	102	mg/L	1.0	102	90	110			
Method: E300.0							Batch: R112467		
Sample ID: ICB	Method Blank				Run: IC202-B_080616A			06/16/08 12:02	
Chloride	ND	mg/L	0.03						
Sulfate	ND	mg/L	0.06						
Sample ID: LFB	Laboratory Fortified Blank				Run: IC202-B_080616A			06/16/08 12:13	
Chloride	9.82	mg/L	1.0	98	90	110			
Sulfate	39.7	mg/L	1.0	99	90	110			
Sample ID: B08061310-021AMS	Sample Matrix Spike				Run: IC202-B_080616A			06/17/08 03:06	
Chloride	109	mg/L	1.0	96	90	110			
Sulfate	130	mg/L	1.0	104	90	110			
Sample ID: B08061310-021AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_080616A			06/17/08 03:18	
Chloride	109	mg/L	1.0	97	90	110	0.3	20	
Sulfate	132	mg/L	1.0	106	90	110	1.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 06/27/08

Project:

Work Order: B08061313

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Analytical Run: IC202-B_080617A		
Sample ID: ICV	Initial Calibration Verification Standard								06/17/08 08:58
Chloride	24.4	mg/L	1.0	98	90	110			
Sulfate	102	mg/L	1.0	102	90	110			
Method: E300.0							Batch: R112533		
Sample ID: ICB	Method Blank								06/17/08 09:09
Chloride	ND	mg/L	0.03						
Sulfate	ND	mg/L	0.06						
Sample ID: LFB	Laboratory Fortified Blank								06/17/08 09:21
Chloride	9.89	mg/L	1.0	99	90	110			
Sulfate	40.2	mg/L	1.0	101	90	110			
Sample ID: B08061313-002AMS	Sample Matrix Spike								06/17/08 10:07
Chloride	56.2	mg/L	1.0	99	90	110			
Sulfate	268	mg/L	1.0	103	90	110			
Sample ID: B08061313-002AMSD	Sample Matrix Spike Duplicate								06/17/08 10:19
Chloride	56.5	mg/L	1.0	100	90	110	0.5	20	
Sulfate	267	mg/L	1.0	102	90	110	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 06/27/08

Project:

Work Order: B08061313

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2							Analytical Run: FIA203-B_080623A		
Sample ID: ICV	Initial Calibration Verification Standard								06/23/08 10:35
Nitrogen, Nitrate+Nitrite as N	34.9	mg/L	0.050	99	90	110			
Method: E353.2							Batch: R112798		
Sample ID: MBLK	Method Blank								06/23/08 10:36
Nitrogen, Nitrate+Nitrite as N	0.006	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank								06/23/08 10:37
Nitrogen, Nitrate+Nitrite as N	0.988	mg/L	0.050	100	90	110			
Sample ID: B08061347-002AMS	Sample Matrix Spike								06/23/08 10:43
Nitrogen, Nitrate+Nitrite as N	1.23	mg/L	0.050	102	90	110			
Sample ID: B08061347-002AMSD	Sample Matrix Spike Duplicate								06/23/08 10:44
Nitrogen, Nitrate+Nitrite as N	1.22	mg/L	0.050	102	90	110	0.4	10	
Sample ID: B08061321-001BMS	Sample Matrix Spike								06/23/08 11:00
Nitrogen, Nitrate+Nitrite as N	0.971	mg/L	0.050	98	90	110			
Sample ID: B08061321-001BMSD	Sample Matrix Spike Duplicate								06/23/08 11:01
Nitrogen, Nitrate+Nitrite as N	0.967	mg/L	0.050	98	90	110	0.4	10	
Sample ID: B08062354-001AMS	Sample Matrix Spike								06/23/08 12:25
Nitrogen, Nitrate+Nitrite as N	1.15	mg/L	0.050	103	90	110			
Sample ID: B08062354-001AMSD	Sample Matrix Spike Duplicate								06/23/08 12:26
Nitrogen, Nitrate+Nitrite as N	1.14	mg/L	0.050	102	90	110	1.3	10	
Method: E410.4							Batch: R112526		
Sample ID: MB-R112526	Method Blank								06/17/08 08:00
Oxygen Demand, Chemical (COD)	ND	mg/L	1						
Sample ID: LCS-R112526	Laboratory Control Sample								06/17/08 08:00
Oxygen Demand, Chemical (COD)	117	mg/L	1.0	101	90	110			
Sample ID: B08061313-001CMS	Sample Matrix Spike								06/17/08 08:00
Oxygen Demand, Chemical (COD)	29.6	mg/L	1.0	97	90	110			
Sample ID: B08061313-001CMSD	Sample Matrix Spike Duplicate								06/17/08 08:00
Oxygen Demand, Chemical (COD)	30.7	mg/L	1.0	101	90	110	3.6	10	
Sample ID: LFB	Laboratory Fortified Blank								06/17/08 08:00
Oxygen Demand, Chemical (COD)	25.7	mg/L	1.0	105	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 06/27/08

Project:

Work Order: B08061313

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Kelada mod							Analytical Run: AUTOAN201-B_080613A		
Sample ID: ICV-1	Initial Calibration Verification Standard								06/13/08 09:59
Cyanide, Total	0.148	mg/L	0.0050	99	90	110			
Method: Kelada mod							Batch: R112379		
Sample ID: LFB-4	Laboratory Fortified Blank								06/13/08 10:04
Cyanide, Total	0.0994	mg/L	0.0050	99	90	110			
Sample ID: MBLK-5	Method Blank								06/13/08 10:06
Cyanide, Total	ND	mg/L	0.003						
Sample ID: B08061312-001DMS	Sample Matrix Spike								06/13/08 10:09
Cyanide, Total	0.113	mg/L	0.0050	113	90	110			S
Sample ID: B08061312-001DMSD	Sample Matrix Spike Duplicate								06/13/08 10:11
Cyanide, Total	0.112	mg/L	0.0050	112	90	110			S
Sample ID: B08061316-003DMS	Sample Matrix Spike								06/13/08 10:41
Cyanide, Total	0.109	mg/L	0.0050	109	90	110			
Sample ID: B08061316-003DMSD	Sample Matrix Spike Duplicate								06/13/08 10:43
Cyanide, Total	0.111	mg/L	0.0050	111	90	110			S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 06/27/08

Project:

Work Order: B08061313

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B							Analytical Run: ICP202-B_080613A		
Sample ID: QCS	Initial Calibration Verification Standard								06/13/08 14:24
Barium	0.514	mg/L	0.10	103	90	110			
Chromium	0.537	mg/L	0.050	107	90	110			
Cobalt	0.537	mg/L	0.020	107	90	110			
Copper	0.502	mg/L	0.010	100	90	110			
Iron	2.61	mg/L	0.030	104	90	110			
Nickel	0.522	mg/L	0.050	104	90	110			
Vanadium	0.529	mg/L	0.10	106	90	110			
Sample ID: ICSA	Interference Check Sample A								06/13/08 14:40
Barium	0.000350	mg/L	0.10		-0.005	0.0005			
Chromium	-0.00917	mg/L	0.050		-0.01	0.01			
Cobalt	0.00394	mg/L	0.020		-0.01	0.01			
Copper	0.00385	mg/L	0.010		-0.01	0.01			
Iron	190	mg/L	0.091	95	80	120			
Nickel	1.00E-05	mg/L	0.050		-0.05	0.05			
Vanadium	-0.00521	mg/L	0.10		-0.01	0.01			
Sample ID: ICSAB	Interference Check Sample AB								06/13/08 14:44
Barium	0.548	mg/L	0.10	107	80	120			
Chromium	0.498	mg/L	0.050	100	80	120			
Cobalt	0.507	mg/L	0.020	101	80	120			
Copper	0.558	mg/L	0.010	112	80	120			
Iron	191	mg/L	0.091	96	80	120			
Nickel	0.965	mg/L	0.050	96	80	120			
Vanadium	0.508	mg/L	0.10	102	80	120			
Method: SW6010B							Batch: R112404		
Sample ID: MB-SPDIS080613A	Method Blank		Run: ICP202-B_080613A				06/13/08 15:17		
Barium	0.0002	mg/L	0.0001						
Chromium	ND	mg/L	0.002						
Cobalt	ND	mg/L	0.0010						
Copper	0.004	mg/L	0.001						
Iron	ND	mg/L	0.002						
Nickel	0.003	mg/L	0.001						
Vanadium	ND	mg/L	0.001						
Sample ID: LFB-SPDIS080613A	Laboratory Fortified Blank		Run: ICP202-B_080613A				06/13/08 15:21		
Barium	1.03	mg/L	0.10	103	85	115			
Chromium	1.01	mg/L	0.050	101	85	115			
Cobalt	1.01	mg/L	0.020	101	85	115			
Copper	0.999	mg/L	0.010	100	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 06/27/08

Project:

Work Order: B08061313

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B									Batch: R112404
Sample ID: LFB-SPDIS080613A	Laboratory Fortified Blank				Run: ICP202-B_080613A				06/13/08 15:21
Iron	4.98	mg/L	0.030	100	85	115			
Nickel	0.967	mg/L	0.050	96	85	115			
Vanadium	1.01	mg/L	0.10	101	85	115			
Sample ID: B08061313-001BMS2	Sample Matrix Spike				Run: ICP202-B_080613A				06/13/08 18:02
Barium	2.07	mg/L	0.10	102	75	125			
Chromium	2.10	mg/L	0.010	105	75	125			
Cobalt	2.12	mg/L	0.010	106	75	125			
Copper	1.96	mg/L	0.010	97	75	125			
Iron	10.5	mg/L	0.030	104	75	125			
Nickel	2.09	mg/L	0.010	104	75	125			
Vanadium	2.07	mg/L	0.10	104	75	125			
Sample ID: B08061313-001BMSD2	Sample Matrix Spike Duplicate				Run: ICP202-B_080613A				06/13/08 18:06
Barium	2.01	mg/L	0.10	98	75	125	3.1	20	
Chromium	2.12	mg/L	0.010	106	75	125	1.0	20	
Cobalt	2.13	mg/L	0.010	107	75	125	0.7	20	
Copper	1.90	mg/L	0.010	95	75	125	3.0	20	
Iron	10.8	mg/L	0.030	107	75	125	2.3	20	
Nickel	2.15	mg/L	0.010	107	75	125	2.7	20	
Vanadium	2.06	mg/L	0.10	103	75	125	0.6	20	
Sample ID: B08061313-002BDIL	Serial Dilution				Run: ICP202-B_080613A				06/13/08 18:14
Barium	ND	mg/L	0.10		0	0	0.0	10	
Chromium	ND	mg/L	0.010		0	0	0.0	10	
Cobalt	ND	mg/L	0.020		0	0	0.0	10	
Copper	0.0124	mg/L	0.010		0	0		10	N
Iron	ND	mg/L	0.050		0	0	0.0	10	
Nickel	0.0312	mg/L	0.010		0	0		10	N
Vanadium	ND	mg/L	0.10		0	0	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 06/27/08

Project:

Work Order: B08061313

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020							Analytical Run: ICPMS204-B_080626A		
Sample ID: QCS-ME080125B,080225	Initial Calibration Verification Standard								06/26/08 17:50
Antimony	0.0494	mg/L	0.0010	99	90	110			
Arsenic	0.0515	mg/L	0.0010	103	90	110			
Beryllium	0.0254	mg/L	0.0010	101	90	110			
Cadmium	0.0262	mg/L	0.0010	105	90	110			
Lead	0.0498	mg/L	0.0010	100	90	110			
Selenium	0.0512	mg/L	0.0010	102	90	110			
Silver	0.0256	mg/L	0.0010	103	90	110			
Thallium	0.0501	mg/L	0.0010	100	90	110			
Zinc	0.0526	mg/L	0.0010	105	90	110			
Sample ID: ICSA	Interference Check Sample A								06/26/08 18:24
Antimony	0.000169	mg/L	0.0010						
Arsenic	5.48E-05	mg/L	0.0010						
Beryllium	7.78E-06	mg/L	0.0010						
Cadmium	0.000640	mg/L	0.0010						
Lead	9.53E-05	mg/L	0.0010						
Selenium	2.91E-05	mg/L	0.0010						
Silver	5.87E-05	mg/L	0.0010						
Thallium	6.06E-06	mg/L	0.0010						
Zinc	0.00131	mg/L	0.0010						
Sample ID: ICSAB	Interference Check Sample AB								06/26/08 18:31
Antimony	0.000131	mg/L	0.0010		0	0			
Arsenic	0.0106	mg/L	0.0010	106	70	130			
Beryllium	1.72E-06	mg/L	0.0010		0	0			
Cadmium	0.0106	mg/L	0.0010	106	70	130			
Lead	8.53E-05	mg/L	0.0010		0	0			
Selenium	0.0101	mg/L	0.0010	101	70	130			
Silver	0.0203	mg/L	0.0010	102	70	130			
Thallium	7.98E-06	mg/L	0.0010		0	0			
Zinc	0.0111	mg/L	0.0010	111	70	130			
Method: SW6020									Batch: R113121
Sample ID: LRB	Method Blank								Run: ICPMS204-B_080626A
Antimony	ND	mg/L	2E-05						06/26/08 18:45
Arsenic	ND	mg/L	2E-05						
Beryllium	ND	mg/L	2E-05						
Cadmium	ND	mg/L	5E-06						
Lead	ND	mg/L	2E-05						
Selenium	ND	mg/L	2E-05						
Silver	3E-05	mg/L	2E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 06/27/08

Project:

Work Order: B08061313

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Batch: R113121
Sample ID: LRB	Method Blank		Run: ICPMS204-B_080626A			06/26/08 18:45			
Thallium	ND	mg/L	0.0002						
Zinc	0.001	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank		Run: ICPMS204-B_080626A			06/26/08 19:13			
Antimony	0.0454	mg/L	0.0010	91	85	115			
Arsenic	0.0485	mg/L	0.0010	97	85	115			
Beryllium	0.0465	mg/L	0.0010	93	85	115			
Cadmium	0.0459	mg/L	0.0010	92	85	115			
Lead	0.0472	mg/L	0.0010	94	85	115			
Selenium	0.0474	mg/L	0.0010	95	85	115			
Silver	0.0178	mg/L	0.0010	89	85	115			
Thallium	0.0477	mg/L	0.0010	95	85	115			
Zinc	0.0489	mg/L	0.0010	95	85	115			
Sample ID: B08061312-001BMS	Sample Matrix Spike		Run: ICPMS204-B_080626A			06/26/08 20:01			
Antimony	0.0479	mg/L	0.0050	95	75	125			
Arsenic	0.0512	mg/L	0.0050	101	75	125			
Beryllium	0.0465	mg/L	0.0010	93	75	125			
Cadmium	0.0456	mg/L	0.0010	91	75	125			
Lead	0.0501	mg/L	0.010	100	75	125			
Selenium	0.0477	mg/L	0.0050	95	75	125			
Silver	0.0107	mg/L	0.0050	54	75	125			S
Thallium	0.0506	mg/L	0.0050	101	75	125			
Zinc	0.0491	mg/L	0.010	91	75	125			
Sample ID: B08061312-001BMSD	Sample Matrix Spike Duplicate		Run: ICPMS204-B_080626A			06/26/08 20:08			
Antimony	0.0465	mg/L	0.0050	93	75	125	2.9	20	
Arsenic	0.0505	mg/L	0.0050	100	75	125	1.2	20	
Beryllium	0.0466	mg/L	0.0010	93	75	125	0.2	20	
Cadmium	0.0446	mg/L	0.0010	89	75	125	2.3	20	
Lead	0.0491	mg/L	0.010	98	75	125	1.9	20	
Selenium	0.0461	mg/L	0.0050	92	75	125	3.4	20	
Silver	0.0116	mg/L	0.0050	58	75	125	8.1	20	S
Thallium	0.0496	mg/L	0.0050	99	75	125	1.9	20	
Zinc	0.0490	mg/L	0.010	90	75	125	0.1	20	
Sample ID: B08061312-002BDIL	Serial Dilution		Run: ICPMS204-B_080626A			06/26/08 20:29			
Antimony	0.000323	mg/L	0.0050		0	0		10	N
Arsenic	0.000414	mg/L	0.0050		0	0		10	N
Beryllium	ND	mg/L	0.0010		0	0	0.0	10	
Cadmium	0.000132	mg/L	0.0010		0	0		10	N

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 06/27/08

Project:

Work Order: B08061313

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Batch: R113121
Sample ID: B08061312-002BDIL	Serial Dilution		Run: ICPMS204-B_080626A				06/26/08 20:29		
Lead	0.000120	mg/L	0.010		0	0		10	N
Selenium	0.000133	mg/L	0.0050		0	0		10	N
Silver	ND	mg/L	0.0050		0	0	0.0	10	
Thallium	ND	mg/L	0.0050		0	0	0.0	10	
Zinc	0.0134	mg/L	0.010		0	0		10	N
Sample ID: B08061316-003BMS	Sample Matrix Spike		Run: ICPMS204-B_080626A				06/26/08 22:05		
Antimony	0.237	mg/L	0.0050	95	75	125			
Arsenic	0.245	mg/L	0.0050	98	75	125			
Beryllium	0.218	mg/L	0.0010	87	75	125			
Cadmium	0.229	mg/L	0.0010	92	75	125			
Lead	0.248	mg/L	0.010	99	75	125			
Selenium	0.227	mg/L	0.0050	91	75	125			
Silver	0.0566	mg/L	0.0050	57	75	125			S
Thallium	0.250	mg/L	0.0050	100	75	125			
Zinc	0.243	mg/L	0.010	90	75	125			
Sample ID: B08061316-003BMSD	Sample Matrix Spike Duplicate		Run: ICPMS204-B_080626A				06/26/08 22:12		
Antimony	0.239	mg/L	0.0050	96	75	125	0.8	20	
Arsenic	0.243	mg/L	0.0050	97	75	125	0.8	20	
Beryllium	0.219	mg/L	0.0010	88	75	125	0.4	20	
Cadmium	0.231	mg/L	0.0010	92	75	125	0.7	20	
Lead	0.250	mg/L	0.010	100	75	125	0.9	20	
Selenium	0.230	mg/L	0.0050	92	75	125	1.4	20	
Silver	0.0713	mg/L	0.0050	71	75	125	23	20	SR
Thallium	0.253	mg/L	0.0050	101	75	125	1.1	20	
Zinc	0.249	mg/L	0.010	92	75	125	2.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

R - RPD exceeds advisory limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 06/27/08

Project:

Work Order: B08061313

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW7470A									Batch: 33029
Sample ID: MB-33029	Method Blank					Run: HGCV201-B_080618A			06/18/08 10:23
Mercury	ND	mg/L	5E-05						
Sample ID: LCS-33029	Laboratory Control Sample					Run: HGCV201-B_080618A			06/18/08 10:25
Mercury	0.0019	mg/L	0.0010	94	85	115			
Sample ID: B08061312-001BMS	Sample Matrix Spike					Run: HGCV201-B_080618A			06/18/08 10:30
Mercury	0.0018	mg/L	0.0010	89	85	115			
Sample ID: B08061312-001BMSD	Sample Matrix Spike Duplicate					Run: HGCV201-B_080618A			06/18/08 10:32
Mercury	0.0018	mg/L	0.0010	89	85	115	0.0	20	
Sample ID: B08061432-001BDIL	Serial Dilution					Run: HGCV201-B_080618A			06/18/08 11:25
Mercury	ND	mg/L	0.0010		0	0	0.0	10	N
Method: SW7470A									Analytical Run: HGCV201-B_080618A
Sample ID: QCS	Initial Calibration Verification Standard								06/18/08 09:48
Mercury	0.00183	mg/L	0.0010	92	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 06/23/08

Project:
Work Order: B08061313

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R112786		
Sample ID: Ics061708	Laboratory Control Sample				Run: 5971A.I_080617A		06/17/08 11:48		
Acetone	36.8	ug/L	20	74	62	130			
Acrylonitrile	48.4	ug/L	20	97	60	130			
Benzene	4.72	ug/L	1.0	94	71	133			
Bromochloromethane	4.08	ug/L	1.0	82	68	131			
Bromodichloromethane	4.24	ug/L	1.0	85	67	138			
Bromoform	4.24	ug/L	1.0	85	64	136			
Bromomethane	4.80	ug/L	1.0	96	60	138			
Carbon disulfide	4.72	ug/L	1.0	94	46	145			
Carbon tetrachloride	3.97	ug/L	1.0	79	61	144			
Chlorobenzene	4.68	ug/L	1.0	94	78	136			
Chlorodibromomethane	4.24	ug/L	1.0	85	72	136			
Chloroethane	5.16	ug/L	1.0	103	64	136			
Chloroform	4.24	ug/L	1.0	85	69	133			
Chloromethane	5.44	ug/L	1.0	109	63	149			
1,2-Dibromo-3-chloropropane	4.96	ug/L	1.0	99	63	125			
1,2-Dibromoethane	4.48	ug/L	1.0	90	75	131			
Dibromomethane	4.28	ug/L	1.0	86	72	133			
1,2-Dichlorobenzene	4.72	ug/L	1.0	94	78	129			
1,4-Dichlorobenzene	4.52	ug/L	1.0	90	78	131			
trans-1,4-Dichloro-2-butene	4.36	ug/L	1.0	87	50	142			
Dichlorodifluoromethane	6.68	ug/L	1.0	134	55	141			
1,1-Dichloroethane	4.60	ug/L	1.0	92	72	130			
1,2-Dichloroethane	4.12	ug/L	1.0	82	57	146			
1,1-Dichloroethene	4.08	ug/L	1.0	82	66	142			
cis-1,2-Dichloroethene	4.36	ug/L	1.0	87	74	133			
trans-1,2-Dichloroethene	4.72	ug/L	1.0	94	76	138			
1,2-Dichloropropane	5.28	ug/L	1.0	106	72	135			
cis-1,3-Dichloropropene	4.96	ug/L	1.0	99	75	132			
trans-1,3-Dichloropropene	4.92	ug/L	1.0	98	77	145			
Ethylbenzene	4.80	ug/L	1.0	96	78	131			
2-Hexanone	49.2	ug/L	20	98	72	131			
Iodomethane	4.56	ug/L	1.0	91	66	132			
Methyl ethyl ketone	42.8	ug/L	20	86	55	145			
Methyl isobutyl ketone	49.2	ug/L	20	98	73	129			
Methylene chloride	4.00	ug/L	1.0	80	73	126			
Styrene	4.72	ug/L	1.0	94	76	134			
1,1,1,2-Tetrachloroethane	4.48	ug/L	1.0	90	75	135			
1,1,2,2-Tetrachloroethane	4.72	ug/L	1.0	94	72	132			
Tetrachloroethene	4.68	ug/L	1.0	94	78	137			
Toluene	5.00	ug/L	1.0	100	78	134			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 06/23/08

Project:

Work Order: B08061313

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B			Batch: R112786						
Sample ID: lcs061708	Laboratory Control Sample		Run: 5971A.I_080617A		06/17/08 11:48				
1,1,1-Trichloroethane	4.12	ug/L	1.0	82	64	141			
1,1,2-Trichloroethane	4.48	ug/L	1.0	90	72	133			
Trichloroethene	4.64	ug/L	1.0	93	75	138			
Trichlorofluoromethane	4.48	ug/L	1.0	90	58	139			
1,2,3-Trichloropropane	3.73	ug/L	1.0	75	67	133			
Vinyl acetate	4.40	ug/L	1.0	88	31	124			
Vinyl chloride	5.88	ug/L	1.0	118	66	140			
m+p-Xylenes	9.72	ug/L	1.0	97	78	133			
o-Xylene	5.04	ug/L	1.0	101	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	92	70	130			
Surr: Dibromofluoromethane			1.0	97	77	126			
Surr: p-Bromofluorobenzene			1.0	106	76	127			
Surr: Toluene-d8			1.0	113	79	122			
Sample ID: blk061708	Method Blank		Run: 5971A.I_080617A		06/17/08 13:08				
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 06/23/08

Project:

Work Order: B08061313

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R112786		
Sample ID: blk061708	Method Blank		Run: 5971A.I_080617A				06/17/08 13:08		
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	89	70	130			
Surr: Dibromofluoromethane			1.0	98	77	126			
Surr: p-Bromofluorobenzene			1.0	104	76	127			
Surr: Toluene-d8			1.0	106	79	122			
Sample ID: B08061312-001Ems	Sample Matrix Spike		Run: 5971A.I_080617A				06/17/08 21:35		
Acetone	77.3	ug/L	40	77	62	130			
Acrylonitrile	94.4	ug/L	40	94	60	130			
Benzene	10.7	ug/L	2.0	107	71	133			
Bromochloromethane	9.44	ug/L	2.0	94	68	131			
Bromodichloromethane	10.2	ug/L	2.0	102	67	138			
Bromoform	8.80	ug/L	2.0	88	64	136			
Bromomethane	8.96	ug/L	2.0	90	60	138			
Carbon disulfide	9.44	ug/L	2.0	94	46	146			
Carbon tetrachloride	9.12	ug/L	2.0	91	61	144			
Chlorobenzene	10.4	ug/L	2.0	104	78	136			
Chlorodibromomethane	9.76	ug/L	2.0	98	72	136			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 06/23/08

Project:

Work Order: B08061313

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R112786		
Sample ID: B08061312-001Ems	Sample Matrix Spike		Run: 5971A.I_080617A				06/17/08 21:35		
Chloroethane	9.36	ug/L	2.0	94	64	136			
Chloroform	9.68	ug/L	2.0	97	69	133			
Chloromethane	10.2	ug/L	2.0	102	63	149			
1,2-Dibromo-3-chloropropane	10.3	ug/L	2.0	103	63	125			
1,2-Dibromoethane	10.0	ug/L	2.0	100	75	131			
Dibromomethane	10.2	ug/L	2.0	102	72	133			
1,2-Dichlorobenzene	10.1	ug/L	2.0	101	78	129			
1,4-Dichlorobenzene	9.52	ug/L	2.0	95	78	132			
trans-1,4-Dichloro-2-butene	8.32	ug/L	2.0	83	50	142			
Dichlorodifluoromethane	13.2	ug/L	2.0	132	55	141			
1,1-Dichloroethane	10.8	ug/L	2.0	108	72	130			
1,2-Dichloroethane	9.28	ug/L	2.0	93	57	146			
1,1-Dichloroethene	9.60	ug/L	2.0	96	66	142			
cis-1,2-Dichloroethene	10.2	ug/L	2.0	102	74	133			
trans-1,2-Dichloroethene	10.6	ug/L	2.0	106	76	138			
1,2-Dichloropropane	12.8	ug/L	2.0	128	72	135			
cis-1,3-Dichloropropene	11.1	ug/L	2.0	111	75	132			
trans-1,3-Dichloropropene	11.0	ug/L	2.0	110	77	145			
Ethylbenzene	10.5	ug/L	2.0	105	78	131			
2-Hexanone	102	ug/L	40	102	72	131			
Iodomethane	9.36	ug/L	2.0	94	66	132			
Methyl ethyl ketone	86.4	ug/L	40	86	55	145			
Methyl isobutyl ketone	100	ug/L	40	100	73	129			
Methylene chloride	9.44	ug/L	2.0	94	73	126			
Styrene	10.3	ug/L	2.0	103	76	134			
1,1,1,2-Tetrachloroethane	10.0	ug/L	2.0	100	75	135			
1,1,2,2-Tetrachloroethane	10.6	ug/L	2.0	106	72	132			
Tetrachloroethene	10.1	ug/L	2.0	101	78	137			
Toluene	10.9	ug/L	2.0	109	78	134			
1,1,1-Trichloroethane	9.44	ug/L	2.0	94	64	141			
1,1,2-Trichloroethane	10.3	ug/L	2.0	103	72	133			
Trichloroethene	10.5	ug/L	2.0	105	75	138			
Trichlorofluoromethane	8.80	ug/L	2.0	88	58	139			
1,2,3-Trichloropropane	8.16	ug/L	2.0	82	67	133			
Vinyl acetate	9.92	ug/L	2.0	99	42	120			
Vinyl chloride	10.8	ug/L	2.0	108	66	140			
m+p-Xylenes	20.4	ug/L	2.0	102	78	133			
o-Xylene	10.9	ug/L	2.0	109	79	136			
Xylenes, Total	31.3	ug/L	2.0	104	70	130			
Surr: 1,2-Dichloroethane-d4			2.0	100	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 06/23/08

Project:

Work Order: B08061313

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R112786		
Sample ID: B08061312-001Ems	Sample Matrix Spike			Run: 5971A.I_080617A				06/17/08 21:35	
Surr: Dibromofluoromethane	2.0		103	77	126				
Surr: p-Bromofluorobenzene	2.0		103	76	127				
Surr: Toluene-d8	2.0		114	79	122				
Sample ID: B08061312-001Emsd	Sample Matrix Spike Duplicate			Run: 5971A.I_080617A				06/17/08 22:14	
Acetone	72.0	ug/L	40	72	62	130	7.1	20	
Acrylonitrile	89.6	ug/L	40	90	60	130	5.2	20	
Benzene	11.0	ug/L	2.0	110	71	133	2.9	20	
Bromochloromethane	9.52	ug/L	2.0	95	68	131	0.8	20	
Bromodichloromethane	10.2	ug/L	2.0	102	67	138	0.8	20	
Bromoform	8.96	ug/L	2.0	90	64	136	1.8	20	
Bromomethane	9.04	ug/L	2.0	90	60	138	0.9	20	
Carbon disulfide	8.72	ug/L	2.0	87	46	146	7.9	20	
Carbon tetrachloride	9.12	ug/L	2.0	91	61	144	0.0	20	
Chlorobenzene	10.6	ug/L	2.0	106	78	136	1.5	20	
Chlorodibromomethane	9.68	ug/L	2.0	97	72	136	0.8	20	
Chloroethane	9.12	ug/L	2.0	91	64	136	2.6	20	
Chloroform	9.76	ug/L	2.0	98	69	133	0.8	20	
Chloromethane	9.52	ug/L	2.0	95	63	149	6.5	20	
1,2-Dibromo-3-chloropropane	10.8	ug/L	2.0	108	63	125	4.5	20	
1,2-Dibromoethane	10.0	ug/L	2.0	100	75	131	0.0	20	
Dibromomethane	10.1	ug/L	2.0	101	72	133	0.8	20	
1,2-Dichlorobenzene	10.1	ug/L	2.0	101	78	129	0.0	20	
1,4-Dichlorobenzene	10.0	ug/L	2.0	100	78	132	4.9	20	
trans-1,4-Dichloro-2-butene	8.08	ug/L	2.0	81	50	142	2.9	20	
Dichlorodifluoromethane	12.6	ug/L	2.0	126	55	141	5.0	20	
1,1-Dichloroethane	10.9	ug/L	2.0	109	72	130	0.7	20	
1,2-Dichloroethane	8.88	ug/L	2.0	89	57	146	4.4	20	
1,1-Dichloroethene	9.68	ug/L	2.0	97	66	142	0.8	20	
cis-1,2-Dichloroethene	10.1	ug/L	2.0	101	74	133	0.8	20	
trans-1,2-Dichloroethene	10.4	ug/L	2.0	104	76	138	1.5	20	
1,2-Dichloropropane	12.8	ug/L	2.0	128	72	135	0.0	20	
cis-1,3-Dichloropropene	11.0	ug/L	2.0	110	75	132	0.7	20	
trans-1,3-Dichloropropene	11.4	ug/L	2.0	114	77	145	3.6	20	
Ethylbenzene	10.7	ug/L	2.0	107	78	131	2.3	20	
2-Hexanone	101	ug/L	40	101	72	131	1.6	20	
Iodomethane	8.48	ug/L	2.0	85	66	132	9.9	20	
Methyl ethyl ketone	85.6	ug/L	40	86	55	145	0.9	20	
Methyl isobutyl ketone	98.4	ug/L	40	98	73	129	1.6	20	
Methylene chloride	9.36	ug/L	2.0	94	73	126	0.9	20	
Styrene	10.6	ug/L	2.0	106	76	134	3.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Sanitation Inc.

Report Date: 06/23/08

Project:

Work Order: B08061313

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R112786
Sample ID: B08061312-001Emsd	Sample Matrix Spike Duplicate			Run: 5971A.I_080617A					06/17/08 22:14
1,1,1,2-Tetrachloroethane	10.0	ug/L	2.0	100	75	135	0.0	20	
1,1,2,2-Tetrachloroethane	11.0	ug/L	2.0	110	72	132	4.4	20	
Tetrachloroethene	10.3	ug/L	2.0	103	78	137	2.4	20	
Toluene	11.4	ug/L	2.0	114	78	134	4.3	20	
1,1,1-Trichloroethane	9.68	ug/L	2.0	97	64	141	2.5	20	
1,1,2-Trichloroethane	10.6	ug/L	2.0	106	72	133	2.3	20	
Trichloroethene	10.2	ug/L	2.0	102	75	138	2.3	20	
Trichlorofluoromethane	8.32	ug/L	2.0	83	58	139	5.6	20	
1,2,3-Trichloropropane	8.64	ug/L	2.0	86	67	133	5.7	20	
Vinyl acetate	9.60	ug/L	2.0	96	42	120	3.3	20	
Vinyl chloride	10.2	ug/L	2.0	102	66	140	5.3	20	
m+p-Xylenes	21.5	ug/L	2.0	108	78	133	5.3	20	
o-Xylene	11.0	ug/L	2.0	110	79	136	1.5	20	
Xylenes, Total	32.6	ug/L	2.0	109	70	130	4.0	20	
Surr: 1,2-Dichloroethane-d4			2.0	98	70	130			
Surr: Dibromofluoromethane			2.0	101	77	126			
Surr: p-Bromofluorobenzene			2.0	101	76	127			
Surr: Toluene-d8			2.0	114	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Energy Laboratories Inc

Workorder Receipt Checklist


B08061313
Sanitation Inc

Login completed by: Krystal McDonald

Date and Time Received: 6/12/2008 9:00 AM

Reviewed by: Staci Fread

Received by: smr

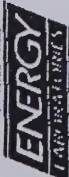
Reviewed Date: 6/13/2008 1:05:00 PM

 Carrier name: Return-UPS
 Ground

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	6°C On Ice
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

 Contact and Corrective Action Comments:

None



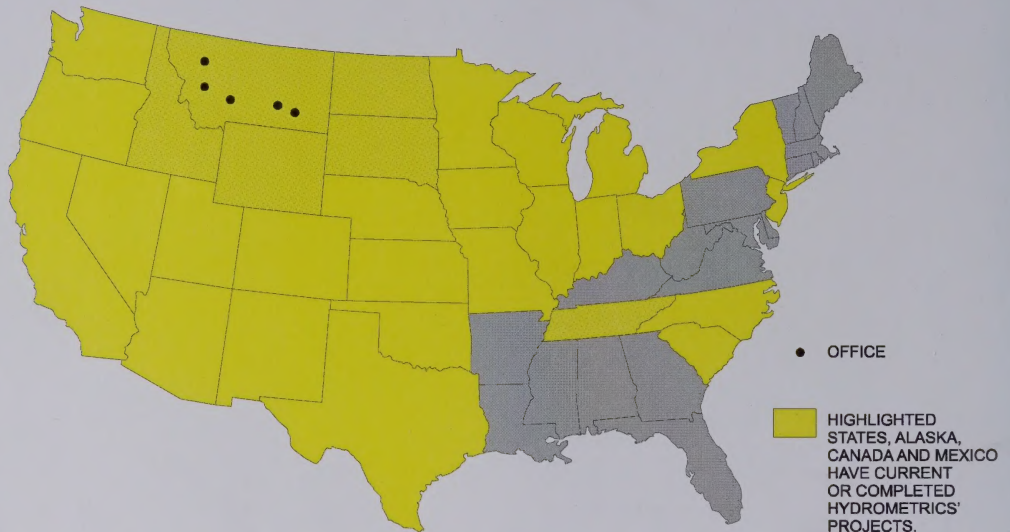
Chain of Custody and Analytical Request Record

Page _____ of _____

PLEASE PRINT- Provide as much information as possible.

Company Name: BARRY Damschon Consulting LLC		Project Name, PWS, Permit, Etc. Sanitation Inc Leadfill		Sample Origin State: _____		EPA/State Compliance: Yes ☐ No ☐	
Report Mail Address: 5531 YORK ROAD Helena, MT 59602		Contact Name: BARRY Damschon		Email: 404-5603		Sampler: (Please Print)	
Invoice Address: Bill Spofa, Sanitation Inc P.O. Box 882 Lewistown, MT 59459		Invoice Contact & Phone: Bill Spofa 538-8767		Purchase Order:		Quote/Bottle Order:	
Special Report/Formats - ELI must be notified prior to sample submittal for the following: MT-DEQ Solid Waste		ANALYSIS REQUESTED		Contact ELI prior to RUSH sample submittal for charges and scheduling - See instruction Page		Shipped by: RUSH UPS GDS	
☐ DW ☐ GSA ☐ POTW/WWTP ☐ State: ☒ Other: _____		☐ A2LA ☐ EDD/EDT (Electronic Data) Format: ☐ LEVEL IV ☐ NELAC		Comments:		Receipt Temp: 6 °C On Ice: ☒ Yes ☐ No	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date		Collection Time		Custody Seal Intact ☒ N Signature Match ☒ N	
1 SLAW-2		6-9-08		1500		Signature: 800 801 1313	
2 SLMMW-3		✓		1600		2	
3 SLMW-3D		✓		1600		3	
4 SLMW-4		✓		1700		4	
5 TRIP Blank		✓		-		5	
6							
7							
8							
9							
10							
Custody Record MUST be Signed		Acquisition by (print): Barry Damschon		Date/Time: 6-11-08 16137		Signature: Barry Damschon	
Sample Disposal:		Return to Client:		Lab Disposal:		Signature: Barry Damschon	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.



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